

بيسكو  
BSCO



COMPANY PROFILE

[www.bsco.sa.com](http://www.bsco.sa.com)



## COMPANY INFORMATION

**COMPANY NAME** Bilateral Specialized company for Industry

**CHAIRMAN** Farz Mohamed Aldehaney

**ESTABLISHED DATE** In 2014 - 1435 e

**ADDRESS** Kingdom of Saudi Arabia  
Hafar Al-Batin - Industrial Area

**COMMERCIAL  
REGISTRATION NO** 2511021368





## TABLE OF CONTENTS

INRODUCTION	04
BUSINESS ACTIVITIES	05
QUALITY POLICY AND CERTIFICATES	06 – 11
HEALTH SAFETY AND ENVIRONMENT POLICY	12 – 14
<b>PRODUCTS</b>	
BSCO NITE	15 – 20
BSCO GROUT	21 – 25
BSCO BOND	26 – 30
BSCO MORTAR	31 – 35
BSCO SPLASH	36 – 38
BSCO PLASTER	39 – 44
BSCO PUTTY	45 – 52
BSCO GRAPHIC	53 – 55
BSCO ROOF	56 – 62
BSCO AQUA BOND	63 – 65
BSCO AQUA CRETE 30	66 – 68
BSCO PROTECTION	69 – 71
BSCO MARBLE CHIPS GLUE	72 – 73
BSCO PRIMER	74 – 76
BSCO LIQUID PUTTY	77 – 79
BSCO TOP COAT	80 – 82
BSCO GRAPHIC ACRYLIC PASTE	83 – 84
BSCO CERAFIX AND PROJECT-C1	85 – 91
BSCO REPAIR	92 - 93
BSCO GERMANTECH	94 – 95
BSCO PROOF	96 – 97
BSCO FOAM FIX	98 – 103
BSCO MONTRA	104 – 105
BSCO SELF LEVELING	106 – 109
CERTIFICATES	110 – 135





## INTRODUCTION

Bilateral Specialized Company (BSCO) for Industry Saudi Limited liability company established in 1435 - 2014 e in HA FR AL-Batin, which represents the Golden Triangle in the Gulf region, where lining Saudi Arabia, Kuwait Bahrain, Iraq and Other Gulf States in Order to supply products cladding, Paint And privacy materials of the highest international standards, particularly specifications German DIN and American ASTM specifications and other Gulf specifications

This series of products Considered breakthrough in the words of construction for the enjoyment of specifications and features high-quality serve the Saudi and the Gulf market because of its inherent homogeneous, integrated and easy to implement and with high adhesion strength and resistance to harsh weather conditions competitively priced systems.

بيسكو  
BSCO



## Business Activities

- Supply premix building materials assisting construction stages as following
- Adhesives and tiling systems
- Concrete repair materials
- Finishing materials
- Waterproofing materials
- Cement plaster & concrete admixture

### Objectives

- To supply our customer with a fully integrated technical solution.
- To adhere strictly to the technical specifications and provide reliable timely delivery of products.
- To provide high performance technical support and advice to the customer. - To attend customer's complaint in prompt and effective manner.

### R&D

BSCO considered as world class R&D laboratory inspected facility employs the latest, state of the -art equipment and is staffed by an exceptional team of professional technicians. They proudly support a complete product line of admixtures and new construction and repair materials through the use of mix design services, material testing, product assessment and hands-on field assistance.

### Technical Service

Customer support is major business fundamental for BSCO customer requirements are determined and met with the aim of enhancing customer satisfaction the technical support group is staffed with highly qualified professionals available to support your product questions and application issues. They can be reached at +966551415553.



## Quality Policy

Bilateral Specialized Company recognizes that consistent industry leadership must be managed in a systematic and visible manner. Therefore, Bilateral Specialized Company has established, documented and implemented a Quality Management System QMS that is maintained in full compliance with the latest Industrial standards and requirements for TQM local quality management.

Bilateral Specialized Company QMS/TQM employs a variety of metrics to ensure the quality of its products and services. Using an ISO approved framework to manage Construction. Maintenance, Projects. inventory. equipment processes. and personnel.

Our goal for project scopes of all sizes and complexity. is to expedite customer schedules with services & products that demonstrate proven quality and full compliance with all necessary Industrial Quality standards and codes.

Bilateral Specialized Company Policy is keen on working with our vendors. technology providers. Suppliers and sub-contractors with responsible and stringent Quality standards.





# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## BILATERAL SPECIALIZED COMPANY (BSCO) FOR INDUSTRY

Main Site: Hafer Al Batin - Industrial Area, Kingdom of Saudi Arabia  
has been registered by Intertek as conforming to the requirements of:

### ISO 9001:2015

The management system is applicable to:

Manufacture and Supply of Building materials

Certificate Number:  
0124922

Initial Certification Date:  
14 June 2022

Date of Certification Decision:  
14 June 2022

Issuing Date:  
14 June 2022

Valid Until:  
13 June 2025



intertek



**Calin Moldovean**  
President, Business Assurance

Intertek Certification Limited, 10A Victory Park,  
Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS  
accredited body under schedule of  
accreditation no. 014.



In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at [certificate.validation@intertek.com](mailto:certificate.validation@intertek.com) or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.





علامة أبوظبي للتجارة  
Abu Dhabi Trust Mark

مجلس أبوظبي  
للجودة والمطابقة  
Abu Dhabi Quality &  
Conformity Council



## وثيقة المطابقة

### Conformity Document

Certificate No:	QAD-2023.1443.01-CM	رقم الشهادة:
Expiry Date:	05 November 2024	تاريخ الإنتهاء:

Issuing Date: 06 November 2023 تاريخ الإصدار:

Conformity Scheme: Construction and Infrastructure Materials TA برنامج المطابقة:

Product: C2- Improved cementitious tile adhesive المنتج:

Name and Address of the Licensee: AABAQ ALRABEEA WHOLESALE OF SELFADH ESIVE MATERIAL TRADING  
PO Box 118, Industrial Area, hessa bint Mohamed Street, Al Ain  
اسم و عنوان صاحب الحق باستخدام العلامة:

Name and Address of the Manufacturer and the Factory: Bilateral Specialized Company (BSCO) For Industry  
PO Box 31991, Hafer Al Batin - Industrial Area, Kingdom of Saudi Arabia  
اسم وعنوان المصنع ومكان التصنيع:

Trademark / Brand Name: BSCO العلامة التجارية / الاسم التجاري:



QAD-2023.1443.01-CM

This is an electronic certificate and does not require stamp

Visit our website to verify this certificate:

<https://jawdah.qcc.abudhabi.ae/en/pages/homepage.aspx>

Any changes or modification on this certificate will affect its validity

إذ الشهادة صدرت إلكترونياً ولا تحتاج إلى ختم

للتأكد من صحة هذه الشهادة يرجى زيارة موقع جودة الإلكتروني:

<https://jawdah.qcc.abudhabi.ae/en/Pages/homepage.aspx>

أي كسح أو تغيير في هذه الشهادة يلغيها





شهادة ترخيص باستخدام علامة الجودة  
License For Use of The Quality Mark

License Number: 20200141581 رقم الترخيص:

SASO certifies that it has granted the right to use (SASO) quality mark on the following products, after fulfilling the required requirements according to the related normative references:

تشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها رخصت باستخدام علامة الجودة على المنتجات الموضحة أدناه بعد استيفائها للمتطلبات اللازمة وفق المراجع القياسية الخاصة بها:

The Establishment:	شركة الثنائية المتخصصة للصناعة	المنشأة:
The Establishment's Address:	المملكة العربية السعودية - حفر الباطن - المنطقة الصناعية الثانية	عنوان المنشأة:
Production Line Location:	المملكة العربية السعودية - حفر الباطن - المنطقة الصناعية الثانية	موقع خط الإنتاج:
Normative References:	SASO ISO13007-1:2022/SASO ISO13007-3:2014	المراجع القياسية:
The Trade Mark:	بيسكو	العلامة التجارية:
The Product:	بلاط السيراميك - الملاط والمواد اللاصقة - الجزء 1 بلاط السيراميك - مونة مانعة ومواد الالتصاق - الجزء 3	المنتج: فئة المنتج في المتجر:
Date of Granting:	15/07/2020	تاريخ المنح:
Date of Renewal:	15/07/2023	تاريخ التجديد:
Date of Expiry:	15/07/2026	تاريخ الانتهاء:

محير عام الإدارة العامة لمنح الشهادات  
Director General of Certification Department

  
المهندس/ خالد بن محمد النملة  
Eng. Khalid M. Alnamlah



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي خطأ أو تغيير في هذه الشهادة يغيرها.  
To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.

المملكة العربية السعودية  
Kingdom of Saudi Arabia

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P.O.Box 3437 Riyadh 11471

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ONS-P-10-18  
Issue #5  
Rev. #2

Date 2020/12/1  
Date: 1/03/1444

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172



ملحق شهادة ترخيص باستعمال علامة الجودة  
Appendix (License For Use of The Quality Mark)



الهيئة السعودية للمواصفات والمقاييس والجودة  
Saudi Standards, Metrology and Quality Org.

The establishment:	شركة الشائبة المتخصصة للصناعة
Certificate No.:	20200141581
Certificate Expiration Date:	15/07/2026
Product:	بلاط السيراميك - الملاط والمواد اللاصقة - الجزء 1 / بلاط السيراميك - مونة مانعة ومواد الالتصاق - الجزء 3
Brand Name:	بيسكو

المنشأة:	
رقم الترخيص:	
تاريخ انتهاء الترخيص:	
المنتج:	
العلامة التجارية:	

تاريخ المنح/التجديد Date of Granting/Renewal	المقاسات Size	الصف Classification	P No.
---	------------------	------------------------	----------

15/07/2023 - - بلاط السيراميك - الملاط والمواد اللاصقة - الجزء 1, صنف (C2) (Cementitious Adhesive, C2)

15/07/2023 - - بلاط السيراميك - مونة مانعة ومواد الالتصاق - الجزء 3, صنف (CG1) (Cementitious Grout, CG1)



لتأكد من صحة هذه المواصفة يرجى زيارة موقعنا على الإنترنت وأي تغيير أو تعديل في هذه الشهادة ينعكس عليها.  
To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.

المملكة العربية السعودية  
Kingdom of Saudi Arabia | 11471 الرياض 3437 | ص.ب. 3437 الرياض 11471  
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Rev. 8.0 (Mar. 11/2004)

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2823569012

11/09/2023

المديرية العامة للمشاريع والخدمات  
دائرة المشاريع / قسم الدراسات والتقدير

شهادة موافقة مبدئية  
Preliminary Approval Certificate

DIRECTORATE GENERAL OF PROJECTS & SERVICES DEPARTMENT OF PROJECTS Email: <a href="mailto:projects.maintenance@moe.om">projects.maintenance@moe.om</a> P.O. BOX 3, Muscat, P.C. 100 Fax No: 24255951		المديرية العامة للمشاريع والخدمات البريد الإلكتروني: <a href="mailto:projects.maintenance@moe.om">projects.maintenance@moe.om</a> صندوق البريد 3، الرمز البريدي 100، مسقط فاكس: 24255951	
TO:	ABAO AL RABEEA TRAD. & CONT.	عقب الربيع للتجارة والمقاولات ش م م	الفاضل / شركة:
P. O. BOX:	614		صندوق البريد:
P. C.	111		الرمز البريدي:
Address:	Sultanate of Oman	سلطنة عمان	العنوان:
Email:	<a href="mailto:bsco.oman@gmail.com">bsco.oman@gmail.com</a>		البريد الإلكتروني:

Dear Sir,

تحية طيبة... وبعد،،،

**SUBJECT: PRELIMINARY APPROVAL TO "ABAO AL RABEEA TRAD. & CONT., FOR LIQUID WATERPROOFING (SIX LAYERS WITH FABRIC) BRAND (BSCO)."**

الموضوع: موافقة مبدئية " لشركة عقب الربيع للتجارة والمقاولات ش م م للعزل المائي (ستة طبقات مع القماش) تصنيغ (BSCO) "

We would like to inform you that the Studies and Estimates Section at the Ministry of Education has studied your product and checked its compliance with MOE standards and specifications. Therefore, we would like to offer you a **PRELIMINARY APPROVAL (PA)** to show that you are certified to implement your product (a trial period) in one of our new or existing projects to check its performance and efficiency.

نود إعلامكم بأن دائرة المشاريع ممثلة في قسم الدراسات والتقدير قد قامت بدراسة المنتج المقدم من شركتكم للتأكد من مطابقتها مواصفاته بما يتناسب مع المواصفات الموحدة للوزارة، وعليه فإننا نمنح شركتكم موافقة مبدئية معتمدة للمنتج المشار إليه لتوريده (فترة تجريبية) في إحدى المشاريع التابعة للوزارة سواء الجديدة أو القائمة منها للتأكد من جودة المنتج وفاعليته.

After being implemented, the product will be monitored and inspected for one year after which a final official approval will be sent to you in case all MOE requirements were met.

كما نود التنويه بأنه سيتم تقييم المنتج خلال الفترة التجريبية ومراقبته لمدة سنة كاملة وسيتم بعدها اعتماد شركتكم كمورد رسمي للوزارة في حال أظهر المنتج أداء جيداً وتطابقاً تاماً مع المواصفات الموحدة للوزارة.

Please note that this PA is just to show that your product has been inserted in our list of **Preliminary Approved Suppliers**. However, MOE is not obliged to provide you with a project to implement your product in.

كما نود التنويه أيضاً بأن هذه الموافقة هي لإيضاح أنه قد تم إدراج اسم شركتكم ضمن قائمة الموردين الحاصلين على الموافقة المبدئية من قبل الوزارة، علماً بأن الوزارة غير ملزمة بتوفير مشروع من أحد مشاريعها لكي يتم تنفيذ العينة التجريبية بها.

This PA is valid for duration of one year from the issue date of this letter knowing that the Ministry has the right to cancel this certificate before the duration ends in case the product showed lower quality.

تعتبر هذه الموافقة المبدئية صالحة لمدة سنة واحدة ابتداء من تاريخ إصدار هذه الرسالة مع العلم أن للوزارة الحق بإلغاء هذه الشهادة قبل انتهاء المدة في حالة تدني مواصفات المنتج. شاكركم لكم حسن تعاونكم معنا.

Thanking you for your kind cooperation.



Yours faithfully

وتفضلوا بقبول فائق الاحترام والتقدير.

**ABDULLAH HUMAID AL-ABRI**  
DIRECTOR OF PROJECTS  
MINISTRY OF EDUCATION

عبدالله بن حميد العبيدي  
مدير دائرة المشاريع  
وزارة التربية والتعليم

صفحة رقم: 1/1

الرمز: ن 103 - نظام المواصفات للمواد والبناء لمشاريع الوزارة، نموذج رقم (3) - يناير 2022

رقم الإصدار: 00





## HEALTH SAFETY & ENVIRONMENT POLICY

Bilateral Specialized Company is committed to conducting its business in manner that protects the environment health and safety of our employees.

To meet this commitment Bilateral Specialized Company maintains a rigorous HSE management system, designed and implemented to assure and maintain compliance with all applicable standards, requirements, laws and regulations as work as it facilitate deliver safely value added services and products to our customers.

Bilateral Specialized Company always thrives and sets an example of leadership in the field of health, safety and environmental management Bilateral Specialized Company promotes waste reduction, pollution prevention, resource renewal and conservation.

Bilateral Specialized Company is keen on working with our vendors, technology providers, suppliers and sub-contractors with responsible a stringent HSE practices.

We will work industries & Government in support of HSE standards, laws and requirement and other programs that safeguard work place and the environment.

We will maintain communication and dialogues with our customers, stakeholders regarding HSE risks and requirement related to the services that we provide.





المركز الوطني  
للمراقبة على الأتزام البيئي  
National Center for Environmental Compliance  
المملكة العربية السعودية

## تصريح بيئي للتشغيل

رقم الصادر	٢٧٠٢٠
تاريخه	١٤٤٤/١١/١٧ هـ

رقم الطلب	رقم الطلب	اسم المنشأة
١٤٤٢/٨٣١٠	رقم الطلب	شركة الثنائية المتخصصة للصناعة
-	هاتف	ثانية
٨٨١	صندوق البريد	مقابر الشهداء - حي الربيع - المنطقة الصناعية - حفر الباطن
حفر الباطن	المدينة N	٢١٠٣٠٢١٧٠٩
حفر الباطن	مصدرة	٤٦٠٦٦٢٩٥ E
٢٨٠٢٩٩٣٩٤		٢٥١١٠٢١٣٦٨
١٤٤٥/٠٥/١٠ هـ	تاريخه	إنتاج المواد اللاصقة ومنتجات التكبسية
٣١٩٩١	الرمز البريدي	
-	فاكس	

يوافق المركز الوطني للرقابة على الأتزام البيئي على النشاط الموضح أعلاه من الناحية البيئية مع مراعاة اللوائح والأنظمة الصادرة من الجهات الأخرى ذات العلاقة والالتزام بنظام البيئة ولو ائحه التنفيذية والاشتراطات المرفقة مع هذا التصريح وتنتهي صلاحيته في ١٤٤٥/١١/٥ هـ



مدير التراخيص والتصاريح

أنور بن مبخوت النهدي  
عاطف محمد عبد رزاق عويضة



الرقم: ٢٧٠٢٠  
التاريخ: ١٤٤٢/١١/٧ هـ  
المرفقات:

المركز الوطني  
للمراقبة على الألتزام البيئي  
National Center for Environmental Compliance  
المملكة العربية السعودية



### إشتراطات تصريح بيئي للتشغيل

اسم المنشأة: شركة الشاىة المتخصصة للصناعة

نوع النشاط : إنتاج المواد اللاصقة ومنتجات التكبسية

١. الألتزام التام بالنظام البيئي ولوائحه التنفيذية والإشتراطات الصادرة من المركز الوطني للمراقبة على الألتزام البيئي.
٢. الألتزام التام بالخطط والإجراءات والتدابير المذكورة بالدراسة البيئية وذلك في التحكم وخفض التأثيرات البيئية وبما في ذلك التأثيرات التراكمية الى الحدود التي تضمن عدم تجاوز المقاييس والمعايير البيئية.
٣. الألتزام بتسهيل مهام الفنيين والمختصين بالمركز أو من ينوب عنها والسماح لهم بدخول موقع المشروع في أي وقت وتقديم المعلومات والبيانات المطلوبة من قبلهم.
٤. الألتزام بالتخلص من النفايات عن طريق مقدم خدمة مرخص من قبل الجهات المختصة.
٥. الألتزام التام بما جاء في الدراسات والتقارير الفنية المقدمة عند طلب الموافقة فيما يتعلق بتشغيل وصيانة أنظمة كبح الملوثات.
٦. الألتزام التام بأعمال الصيانة الدورية للآلات والمعدات وأنظمة كبح الملوثات واتخاذ جميع الاحتياطات الضرورية لمنع حدوث تسرب أو انبعاثات ينتج عنه أي تجاوز للمقاييس والمعايير البيئية وأن يتم تضمينها بتقارير المراقبة الذاتية.
٧. الألتزام التام بالألتزام بتقديم تقارير المراقبة الذاتية خلال عمليات التشغيل للمركز وعلى ان يتم إعدادها كل ٦ شهور من قبل مقدم خدمة معتمد لدى المركز.
٨. الألتزام بإبلاغ المركز فور حدوث حالات طارئة أو عمليات بدء تشغيل أو اغلاق مؤقتة قد ينتج عنها تجاوزات للمقاييس والمعايير البيئية.
٩. في حالة أي تعديل أو تغيير على نشاط ومهام المنشأة أو في نوعية الخام أو الإنتاج أو عند عمل أي توسعة أو إضافة للمشروع دون إبلاغ المركز مسبقاً بذلك فإن هذا التصريح البيئي يعتبر لاغياً.
١٠. الألتزام بتنفيذ جميع الإشتراطات المذكورة وفي حال الإخلال بها سيعرض المنشأة لإيقاع العقوبة عليها حسب النظام البيئي ولوائحه التنفيذية.
١١. الألتزام بنظام البيئة ولوائحه التنفيذية عند طلب تجديد التصريح البيئي.



## BSCCO NITE

### DESCRIPTION

BSCCO NITE is a polymer- modified high quality cementitious tile adhesive formulated using Portland cement, graded silica sand, polymeric materials, selected property -improves, fillers and chemicals.

Mixing BSCCO NITE with water provides durable thin -bed adhesive for ceramic tiles used in swimming pools and all other areas subjected to continuous- contact with water and also for ceramic, tiles, heavy stone and marble tiles.

### Advantages

- Excellent water resistant.
- ideal for swimming pools
- high bond Strength.
- Density Bulk
- slump-free consistency.no sag.
- suitable for all kind of ceramic tiles.
- suitable for tropical and hot climate conditions.
- Anti-bacterial, anti Tungus end also thermal insulated.

### Standard compliance

BSCCO complies with BS EN12004 as C2.

Type	Pre-mixed cementitious powder
Density Bulk	1.65 kg/l
Set Time	1DAY(ready for Grouting)
	2DAYS(light traffic)
	14DAYS(heavy traffic)
Color	White & Grey
Wet density	1.95 kg/l
Mixing water	5 liter/bag 20 kg
Pot Life	2 hours
Open time(EN1346)	20 minutes
Adjustability	1020 minutes
Compressive strength	16.5 MPa (after 7 days)
	24 MPa (after 28 days)
Shear strength	1.4 MPa (after 7 days)
	204 MPa (after 28 days)
Tensile-adhesion strength (EN1348)	2.2 MPa (after 28 days)
Shore-D hardness	7780





# BSCCO Nite C2TES2

Multi-use glue (Porcelain - Ceramics - Swimming Pools - Marble - Stone)



20 KG





## BSCONITE

### ❖ Description and Classification:

BSCONITE manufactured by BSCO an ISO & SASO Certified company. It is a rigid set, quality cement based adhesive that meets the adhesion requirements of ISO Standard 13007. BSCONITE is classified as a Normal Setting (C2) adhesive with slip resistance (T).

Water requirement	4 to 5 liters. per 20 kg
Open time	40 minutes
Coverage	20 kg cover 5m <sup>2</sup> using 3mm notched trowel
Bond strength	2.8 N/MM <sup>2</sup>
Pot life	3 hours
Final set	24 hours

### ❖ Where to Use:

BSCONITE is suitable for general bonding of most basic type of ceramic wall and floor tiles including monocot Tura, quarry tiles, terracotta and natural stone bonded to concrete, cementitious screeds, brick work, block work and where the surfaces are rigid and exhibit some surface texture and some porosity.

### ❖ Advantages:

BSCONITE is an off white or gray powder composed of graded silica sand, cement, synthetic polymer and property enhancing additives. When mixed with water the following features are obtained,

1. Low shrinkage and multipurpose.
2. Using to fix swimming pool ceramic, porcelain, natural marble, artificial cement stones and also walls & floor ceramic tiles.
3. Easily workable non slip characteristics.
4. Bonding of a range of common tile types and substrates.
5. Single component flexible adhesive.
6. Open time approximately 20 minutes.
7. Our BSCONITE undergo C<sub>2</sub>TES<sub>2</sub> during normal conditions.

### ❖ Substrate Preparation:

The substrate must be sound, clean, free from loose coatings, grease, oil or wax and water free, as a damp or wet substrate will affect the set time on bond or both. Cement or concrete substrate must be well cured and at least 28 days old prior to tiles being laid to ensure that different shrinkage does not occur between the adhesive and the substrate. Surfaces exposed to sunlight should be dampened with water to cool if hot prior to tilling.

❖ **Application:** BSCONITE is applied to substrate using a notched trowel. To achieve optimum results spread a layer of BSCONITE on the substrate with the flat side of trowel then immediately after apply the desired thickness using a suitable notched trowel with correct depth of notch for the type and size of tile being laid.

❖ **Installing Tiles:** Clean tiles should be fitted under a firm pressure to ensure good coverage and contact by the adhesive. Tiles should not be laid over areas of adhesive that has skinned over on the surface. Areas that have skinned over should only be refreshed by reworking with a notched trowel. Rewetting of the surface of adhesive will degrade the bond and is not recommended. Newly tiled areas must be protected from rain, frost and water for at least 36 hours.

❖ **Grouting:** Floor joints may be grouted after 24 hours, wall joints after 6-8 hours.

❖ **Traffic:** Light foot traffic can be accepted after 14 hours at medium temperatures. Cold temperature of less than 10°C will require 24 hours before exposure to any foot traffic.

❖ **Coverage:** Coverage will depend on the substrate conditions and applicators technique. As a guide the use of a 3mm notched trowel for walls and a 3mm notched trowel for floors will provide approximately 5M<sup>2</sup> and 10M<sup>2</sup> respectively from 20kg and 40kg bag of BSCONITE.

❖ **Cleaning:** Tools and surfaces should be cleaned with water or damp cloth before the adhesive sets.

❖ **Storage:** BSCONITE can be stored 24 months in the original packaging in a normal indoor environment.

❖ **Health and Safety:** Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet. This product contains no VOC (Volatile Organic Compound).

❖ **Warning:** The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

### ❖ **Fire:**

BSCONITE is nonflammable

**Product Code Number 002**

**Document Issue Date April 2015.**



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الشركة السعودية للمختبرات الخاصة  
Saudi Specialized Laboratories Co.

TEST REPORT						
PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE						
SASO ISO 13007-1 /SASO ISO 13007-2						
Customer	Bilateral Specialized Co (BSCO) For Industry		Sample Description	BSCO NITE WHITE		
Project Name	Internal Quality Check		Sample Source	Bilateral Specialized Co (BSCO) For Industry		
Project No.	NP		Sampling Method	NP		
Location	Riyadh, KSA		Sampling Date	NP		
Contractor	NP		Sampled by	Customer		
Consultant	NP		Customer Identification	NP		
CBML Project No.	CBMP-0497-19		Date Received	17-May-21		
CBML Sample No.	CBM-170521-001		Sample Condition	Normal		
CBML Report No.	CBMR-21-01134		Environmental Condition	25 °C		
Date of Report	23-Jun-21		Date of Test	17-Jun-21		
Source Of Material	Bilateral Specialized Co (BSCO) For Industry		Sampled Location	Riyadh K.S.A		
Production Date	NP		Casting / Application date	20-May-21		
Type Of Substrate	Concrete Panel		Age at test days	28		
Date of Test	17-Jun-20		Required test age	28 Days		
TEST RESULTS						
TENSILE ADHESION STRENGTH (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and Condition	Specefication Requirement SASO ISO 13007-Normal cementitious adhesives
1	2980	2500	1.19	AF-T	Normal Condition at 28 days	>0.5 N/mm <sup>2</sup>
2	3050	2500	1.22	AF-T		
3	2790	2500	1.12	AF-T		
4	3060	2500	1.22	AF-T		
5	2890	2500	1.16	AF-T		
Average			1.18			
TENSILE ADHESION STRENGTH AFTER WATER IMMERSION (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Specefication Requirement SASO ISO 13007-Normal cementitious adhesives
1	2750	2500	1.10	AF-T	Normal Condition at 07 days and 21 days in water immersion at (23 ± 2) °C	>0.5 N/mm <sup>2</sup>
2	2690	2500	1.08	AF-T		
3	2970	2500	1.19	AF-T		
4	2550	2500	1.02	AF-T		
5	2790	2500	1.12	AF-T		
Average			1.10			

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Saudi Specialized Laboratories Co.  
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رقم العضوية : 174400 السجل التجاري : 1010225110  
رقم الموحد : 92029293  
Kingdom of Saudi Arabia - P.O. Box 88458 Riyadh 11662  
Phone : +966 11 8278024 Fax : +966 11 464 5354  
Membership No. : 174400 C.R. No. : 1010225110

شركة مساهمة مغلقة برأس مال : 500,000,000 ر.س ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000



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الشركة السعودية للمختبرات الخاصة  
Saudi Specialized Laboratories Co

TEST REPORT

PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE  
SASO ISO 13007-1/SASO ISO 13007-2

Customer: Bilateral Specialized Co (BSCO) For Industry Sample Description: BSCO NITE WHITE

TENSILE ADHESION STRENGTH AFTER HEATAGEING (SASO ISO 13007-2)

Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Speceification Requirement SASO ISO 13007-Normal cementitious adhesives
1	2995	2500	1.20	AF-T	Normal Condition at 14 days and Heat ageing (70 ± 3) 14 days	>0.5 N/mm <sup>2</sup>
2	2690	2500	1.08	AF-T		
3	3052	2500	1.22	AF-T		
4	2925	2500	1.17	AF-T		
5	2985	2500	1.19	AF-T		
Average	1.17					

TENSILE ADHESION STRENGTH AFTER FREEZE THAW CYCLE (SASO ISO 13007-2)

Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Speceification Requirement SASO ISO 13007-Normal cementitious adhesives
1	2730	2500	1.09	AF-T	standard conditions for 07 days and immerse in water for 21 days before carrying out 25 freeze-thaw cycles. lower the temperature to (-15 ± 3) °C within 2 h ± 20 min	>0.5 N/mm <sup>2</sup>
2	2665	2500	1.07	AF-T		
3	2945	2500	1.18	AF-T		
4	2560	2500	1.02	AF-T		
5	2785	2500	1.11	AF-T		
Average	1.09					

OPEN TIME: ADHESION STRENGTH (SASO ISO 13007-2)

Time Minutes	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Speceification Requirement SASO ISO 13007-Normal cementitious adhesives
5	3055	2500	1.22	AF-T	28 days at normal condition 23°C	>0.5 N/mm <sup>2</sup>
10	3050	2500	1.22	AF-T		
15	2989	2500	1.20	AF-T		
30	2965	2500	1.19	AF-T		
40	2650	2500	0.98	AF-T		
60	1780	2500	0.48	AF-T		
80	1350	2500	0.21	AF-T		
100	950	2500	0.09	AF-T		
120	940	2500	0.03	AF-T		
Mean Value	0.98					
Open Time	60 min					

FLEXURAL STRENGTH (SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	Average	Speceification Requirement SASO ISO 13007-Normal cementitious adhesives
Maximum Load at Failure (N)	28	1498	1594	1735	1609	-
Flexural Strength (N/mm <sup>2</sup> )	28	3.5	3.7	4.1	3.8	-

شركة مساهمة مقفلة برأس مال : ٥٠٠.٠٠٠.٠٠٠ ر.س ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000






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الشركة السعودية للمختبرات الخاصة  
Saudi Specialized Laboratories Co.

**TEST REPORT**  
**PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE**  
**SASO ISO 13007-1 / SASO ISO 13007-2**

Customer	Bilateral Specialized Co (BSCO) For Industry		Sample Description	BSCO NITE WHITE				
<b>COMPRESSIVE STRENGTH (SASO ISO 13007-4)</b>								
Test Parameter	Test Age (Days)	1	2	3	4	5	Average	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
Maximum Load at Failure (N)	28	1575	1485	1521	1579	1595	1551	-
Compressive Strength (MPa)	28	9.8	9.3	9.5	9.9	10.0	10	-
Tested by	EHSQ							
Test Variation	NIL							
Remark	Test standards were request by customer.							
								
				AUTHORIZED SIGNATORY				



CBMR-052 Rev. 0  
Result related to the items tested.  
This test report shall not be reported except in full, without the written approval of the laboratory.

شركة مساهمة مغلقة برأس مال 500,000,000 ر.س ( مدفوع بالكامل )  
Closed Shareholding Co. ; Fully Paid up Capital ; SR 500,000,000

المملكة العربية السعودية - ص.ب. 88458 الرياض 11662  
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رقم العضوية : 174400 السجل التجاري : 1010225110  
الرقم الموحد : 920029293

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Phone : +966 11 8278024 Fax : +966 11 464 5354  
Membership No. : 174400 C.R. No. : 1010225110

## BSCCO GROUT

### DESCRIPTION

BSCCO GROUT is a premium smooth grout consisting of a carefully blended mix of Portland cement, graded fillers, additives and high quality colorfast natural marble powder, in addition, special chemicals have been added to provide a superior grout that offers ease of workability and clean-up, rapid cure, high compressive strength, low shrinkage, good bond strength and anti-bacterial, also anti-fungus and also thermal insulated.

### Uses

Used to grout all types of ceramic mosaics, porcelain, slate, granite, cultured marble, dimension stone and all applications immersed in water.

### Advantages

- High Resistance to Dirt Pick Up.
- Suitable for Both Internal and External Applications.
- Easy to Apply by Adding Water Only
- Safe to Use, Zero VOC.
- Vertical and Horizontal Installations.
- High Stability Color.
- Water Resistant.



### Standard compliance

BSCCO complies with BS EN12004 as C2.

Type	Pre-mixed cementitious powder
Density Bulk	1.55 kg/l
Mixing Water	~4.0 liters of cold clean water per 10kg bag
Wet Density	1.82 kg/l (un-sanded)
Pot Life	2 hours
Initial Set Time	4 hours
Final Set Time	24 hours
Tensile Adhesion Strength	-1.9 MPa (after 28 days)
(EN 1348)	-17 MPa (after 7 days)
Compressive Strength	-23 MPa (after 28 days)
Water Absorption : EN 128085-	< 2.0 g (30 days)
ANSI A118.6	< 5%
Shore 'D' Hardness (ASTM D2240)	72 - 77





## BSCCO Tile Grout

❖ **Description and Classification:** BSCCO Tile Grout is designed to fill joints in most types of ceramic tiles and natural stone applications. BSCCO Tile Grout is available in coarse or fine grade. Color and waterproof properties are also option. can apply BSCCO Tile Grout in interior and exterior because of resistant for high temperatures without separation The grout inhibits the growth of discoloring molds.

❖ **Where to Use:** BSCCO Tile Grout is suitable for grouting joints that are 1-6mm wide in floor and wall grouting applications in wet or dry areas

### ❖ **Technical Details:**

Compressive Strength	23 ( N/m m <sup>2</sup> ) (SASO ISO 13007-4)
Initial Setting time	90 ( Minutes) (ASTM C 266)
Linear shrinkage	0.12(mm/m)(SASO ISO 13007-4)
Flexural strength	4.8( N/mm <sup>2</sup> ) (SASO ISO 13007-4)

❖ **Characteristics:** BSCCO Tile Grout is a white or colored cementitious powder composed of silica sand, synthetic resins and mineral oxides.

When mixed with water the following features are obtained, 1. Pot life 1 hour.

Cohesive paste.

Adequate pot life.

Good bonding characteristics.

Resistant to molds.

Coarse or fine graded. 7 anti-bacterial and fungus

### ❖ **Recommendations:**

BSCCO Tile Grout should not be used where:

The temperature is above 5<sup>0</sup>C and below 55<sup>0</sup>C.

Where straining of porous tiles is likely.

Where joining is likely to move.

Where strong acids are likely to be present.

❖ **Mixing:** BSCCO Tile Grout requires approximately 3.00 liters of clean water to each 10 kg of joining grout. Mix the grout with a mechanical stirrer by adding the powder to the water until a smooth lump free paste is obtained. Leave to rest 3 minutes' re-stir.

❖ **Application:** Before grouting in warm or hot conditions, it is advisable to lightly dampen the joints. Using a rubber squeegee, work the grout into the joints in a crisscross diagonal motion to ensure the joints are completely filled. Remove the excess grout from the surface using the squeegee in a diagonal motion. With a frequently rinsed a sponge, clean up the remaining grout residue from the tile surface without leaving pools of moisture they may discolor the tile joining or drying.

To help reduce the likelihood of fading of the color due to the formation of salts from efflorescence, the minimum of mixing and washing water is recommended. The remaining final cleaning of the grout haze should be done with a clean soft cloth after 24 hours mended that a layer of adhesive be applied to the back of the tile with the flat side of the trowel.

### ❖ **Grouting & Traffic**

The tile adhesive should be permitted to set before grouting of joints can proceed. Allow adequate time for the grout to harden before allowing traffic.

Generally, 24-48 hours will sufficient dependent of ambient Newly tiled areas must be protected from rain, frost and water for at least 36 hours.

### ❖ **Coverage**

As a general rule the following formula can be used as a guide:

1.5 x (tile length/tile width) x joint width x joint depth (tile length x tile width)

All dimensions in mm.

The result is kilograms of grout per square meter.

### ❖ **Cleaning**

Tools and surfaces should be cleaned with water while grout is still wet.

### ❖ **Storage**

Tile Grout can be stored 24 months in the original packaging in a normal indoor environment.

### ❖ **Health and Safety**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

This product contains no VOC (Volatile Organic Compound).

### ❖ **Warning**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 004**

**Document Issue Date April 2015**



# مطابقة MOTABAQAH

## TEST REPORT

### PHYSICAL PROPERTIES OF CERAMIC TILES GROUTE ADHESIVE SASO ISO 13007-3

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الشركة السعودية للمطابقة  
Saudi Specialized Laboratories Co.

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	(BSCO Grout 10KG)
Project Name	SASO Quality Marks	Sample Source	Bilateral Specialized Co (BSCO) For Industry
Project No.	NP	Sampling Method	SASO ISO 13007-4
Location	Riyadh, KSA	Sampling Date	8-Sep-21
Contractor	NP	Sampled by	SASO Official
Consultant	NP	Customer Identification	BSCOF2
CBML Project No.	CBMP-0497-19	Date Received	14-Sep-21
CBML Sample No.	CBM-140921-001	Sample Condition	Normal
CBML Report No.	CBMR-21-01659	Environmental Condition	25 °C
Date of Report	21-Oct-21	Date of Test	17-Oct-21
Manufacturer	Bilateral Specialized Co (BSCO) For Industry	Sampled Location	Riyadh K.S.A
Production date	NP	Casting / Application date	19-Sep-21
Sample size	10KG X2 bags	Age at test	28

TEST NAME	UNITS	TEST RESULTS						SPECIFICATION LIMITSASO ISO 13007-3 CG1 – Fundamental characteristics
<b>TEST RESULTS</b>								
<b>COMPRESSIVE STRENGTH UNDER STANDARD CONDITIONS (SASO ISO 13007-4 )</b>								
Test Parameter	Test Age (Days)	1	2	3	4	5	Average	SPECIFICATION LIMITSASO ISO 13007-3 CG1 – Fundamental characteristics
Maximum Load at Failure (N)	28	31390	32440	32250	31400	31550	31806	-
Compressive Strength (MPa)	28	19.6	20.3	20.2	19.6	19.7	20	≥15 N/mm <sup>2</sup>
<b>COMPRESSIVE STRENGTH AFTER FREEZE-THAW CYCLES (SASO ISO 13007-4 )</b>								
Test Parameter	Test Age (Days)	1	2	3	4	5	Average	SPECIFICATION LIMITSASO ISO 13007-3 CG1 – Fundamental characteristics
Maximum Load at Failure (N)	28	30898	31550	32150	31102	31250	31390	-
Compressive Strength (MPa)	28	19.3	19.7	20.1	19.4	19.5	20	≥15 N/mm <sup>2</sup>
<b>FLEXURAL STRENGTH UNDER STANDARD CONDITIONS (SASO ISO 17007-4 )</b>								
Test Parameter	Test Age (Days)	1	2	3	4	5	Average	SPECIFICATION LIMITSASO ISO 13007-3 CG1 – Fundamental characteristics
Maximum Load at Failure (N)	28	1705	1725	1732	1689	1721	1714	-
Compressive Strength (MPa)	28	4.0	4.0	4.1	4.0	4.0	4.0	≥2.5 N/mm <sup>2</sup>



المملكة العربية السعودية - ص.ب. ٨٤٥٨ الرياض ١١٦٦٢  
الهاتف : ٩٦٦ ١١ ٨٢٧٨٠٢٤ فاكس : ٩٦٦ ١١ ٤٦٤٥٣٥٤  
Co. رقم المطابقة : ١٠١٠٢٢٥١١٠ السجل التجاري : ١٠١٠٢٢٥١١٠  
مختبر فحص مواد البناء رقم الموحّد : ٩٢٠٠٢٩٢٩٣  
Kingdom of Saudi Arabia - P.O. Box 88458 Riyadh 11662  
Phone : +966 11 8278024 Fax : +966 11 464 5354  
Membership No. : 174400 C.R. No. 1010225110  
CR: 1010735198

شركة مساهمة مقفلة برأس مال : ٣٥٠.٠٠٠.٠٠٠ ر.س ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 350,000,000





# مطابقة MOTABAQAH

## TEST REPORT

### PHYSICAL PROPERTIES OF CERAMIC TILES GROUT ADHESIVE SASO ISO 13007-3

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Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	الشركة السعودية المتخصصة للصناعة (BSCO Group) 10KKG Saudi Specialized Laboratories Co. Bilateral Specialized Co (BSCO) For Industry
Project Name	SASO Quality Marks	Sample Source	

#### FLEXURAL STRENGTH AFTER FREEZE-THAW CYCLES (SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	4	5	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
Maximum Load at Failure (N)	28	1680	1710	1728	1655	1722	1699	-
Compressive Strength (MPa)	28	3.9	4.0	4.1	3.9	4.0	4.0	≥2.5 N/mm <sup>2</sup>

#### ABRASION RESISTANCE (SASO ISO -13007-4)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
Cord length mm	28	37.0	37.1	37.0	37	
Result V mm <sup>3</sup>	28	427	427	427	427	≤2000 mm <sup>3</sup>

#### LINEAR SHRINKAGE (EN 12617-1/SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
Shrinkage		-0.089	-0.098	0.085	0.09	≤3mm/m

#### WATER ABSORPTION @ 30 MINITUE (SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental
Water absorption(g)	28	0.05	0.02	0.05	0.04	≤ 5

#### WATER ABSORPTION @ 240 MINITUE (SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
Water absorption(g)	28	0.36	0.3	0.35	0.34	≤ 10

Tested by :EHSQ  
Test Variation :NIL  
Remark :The tested parameters of the sample comply to Satandard SASO ISO 13007-3



AUTHORIZED SIGNATORY



CBMR-065 Rev. 0

Result related to the items tested  
This testreport shall not be reported except in full, without the written approval of the laboratory.

شركة مساهمة مقفلة برأس مال : ٣٥٠,٠٠٠,٠٠٠ ر.س ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 350,000,000

المملكة العربية السعودية - ص.ب. ٨٨٤٥٨ الرياض ١١٦٦٢  
هاتف : ٩٦٦ ١١ ٨٢٧٨٠٢٤ فاكس : ٩٦٦ ١١ ٤٦٤٥٣٥٤  
رقم العضوية : ١٧٤٤٠٠ السجل التجاري : ١٠١٠٢٢٥١١٠  
الرقم الموحد : ٩٢٠٠٢٩٢٩٣

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Membership No. : 174400 C.R. No. 1010225110



## BSCCO BOND

### Description

BSCOBOND is a ready to use cementitious powder consists of a blend of Portland cement, graded aggregates, and special chemical additives.

Mixing BSCOBOND with controlled amount of water yields a highly consistent repair mortar suitable for most structural concrete repairs.

BSCOBOND can be applied in a single application in sections up to 50 mm thickness in horizontal areas and 20 mm in vertical areas.



### Advantages

- Vertical and overhead concrete repairs.
- Patch repair of concrete floor slabs.
- Concrete repairs where high build application is required.
- Filling voids of a depth greater than 5mm.
- Concrete repairs where dynamic loads exist.
- Direct applied into AAC block, concrete stairs, and ceiling.
- Hair and deep cracks treated by BSCCO BOND.
- Old building treated by BSCCO BOND doing direct maintenance.
- Fill all joints of electrical and plumper pipes without metal lath.
- Strength is getting when used as admixture for all splash and plastering works.

### Standard compliance

BSCCO complies with BS EN12004 as C2.

Type	Pre-mixed cementitious powder
Bulk Density	1.99 kg/l
Mixing Water	~8.0 liters per 40kg bag
Wet Density	2.008 kg/l
Compressive Strength	22 MPa at 1 Days
	44 MPa at 7 Days
	56 MPa at 28 Days
Flexural Strength	2.2 MPa at 1 Day
	4.4 MPa at 7 Days
	5.6 MPa at 28 Days
Tensile Strength	1.0 MPa at 1 Day
	2.0 MPa at 7 Days
	3.5 MPa at 28 Days
Young's modulus	28 GPa
Dimensional Stability	Zero Shrinkage



## BSCOBOND

❖ **Product:** BSCOBOND is a dry pre-blended coat meant for smooth concrete walls and ceilings. BSCOBOND offers a mechanical key for subsequent layers of cement-based plasters. No hacking is required over concrete. Used as a plaster for concrete and cementitious surface.



❖ **Description:** BSCOBOND is a bonding coat, applied in an average thickness of 3 mm to 10 mm. Dash coat is based on Portland Cement, graded sand and chemical additives. Ideal as a bonding coat to apply on concrete walls and ceilings.

### ❖ **Technical Details:**

Water requirement	8 to 10 liters. per 40 kg
Thickness	3 mm to 10mm
Coverage	40kg cover 10m <sup>2</sup> in 3mm thickness
Compressive strength	15.56 N/mm <sup>2</sup> (EN 12190)
Color	Available White and Grey colors
Initial set	1 hour
Final set	24 hours

### ❖ **Water Requirement:**

8 to 10 liters. of water per 40 kg bag.

❖ **Substrate and Surface Preparation:** Surfaces to which BSCOBOND are applied, should be clean, sound, free of dust and loose particles. Cement laitance, oil, grease, mold release oil or curing compounds must be removed from concrete or masonry surfaces by using wire brush, bush hammer, scabblier, grit blasting or other means. During application, the temperature of the substrate should not be below 5°C.

❖ **Mixing:** Care should be taken to ensure that BSCOBOND is thoroughly mixed. Small quantities (up to 10kg) can be mixed by hand using a suitable mixing drum or bucket. Greater quantities must be mixed with a mechanical forced mixer with a high shear stirrer. Use potable water while mixing and add water into the mixing vessel and with a mixer in operation, add one full bag of BSCOBOND and mix for 3 to 5 minutes until a fully uniform and homogeneous mix is achieved. Dependent on the ambient temperature and the desired consistency the amount of water required may vary slightly but should not exceeded 10 liters. per 40kg of BSCOBOND. Excess mixing water may result surface crazing, cracking as well as lower strength and adhesion. Note: In all cases BSCOBOND must be added to water.

❖ **Placing:** Apply the mixed BSCOBOND to the prepared substrate by a Tyrolean box or a suitable spray gun. BSCOBOND can also be applied by trowel. Make sure BSCOBOND covers the complete surface area and a rough texture need to be achieved to provide a mechanical key for subsequent coats of plasters. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

❖ **Pot Life:** Setting begins after 30-45 minutes (at 25°C substrate and ambient temperature) and ends after 75-90 minutes. The working period depends very much on the product temperature and on the amount of mixing water added. Therefore, the times given above should be regarded as a guideline. The lower the temperature, the longer the setting time. The less water added, the shorter the setting time. The addition of water to the mortar after it has started to stiffen is not recommended and the product should be discarded.

❖ **Curing:** BSCOBOND is to be cured with water spray for a period of 2 days.

❖ **Precautions:** BSCOBOND should not be used when temperature is below 5°C or in temperature greater than 55°C and where rapid moisture can be lost. New concrete surfaces must be at least 14 days old prior to application of BSCOBOND. To avoid too rapid drying, protect applied BSCOBOND from direct sunlight or drying winds during actual application, and while curing for up to 24 hours.

❖ **Yields:** The approximate yields are obtained if mixed in accordance with recommended procedures and accurately measured water content. 40 kg of BSCOBOND with 8 to 10 liters. of water will yield approximately 59 to 60 liters.

❖ **Clean Up:** BSCOBOND should be removed from tools and equipment with clean water immediately after use.

### ❖ **Storage:**

BSCOBOND has a shelf life of approximately 24 months if kept in a dry environment completely away from moisture.

### ❖ **Health and Safety:**

1. During use avoid inhalation of dust, contact with skin and eyes.
2. Suitable protective clothing, dust masks, gloves and eye protection should be worn.
3. Continual or extended contact with cement products can cause skin irritation.
4. If skin irritation occurs, remove contaminated clothing and flush skin thoroughly with water.

This product contains no VOC (Volatile Organic Compound)

❖ **Disclaimer:** Please Note: Recommendations and advice regarding the use of this product is to be taken as a guide only and Bilateral Specialized Co. (BSCO) shall not be liable for any loss, injury or damage whatever resulting from its use.

❖ **Fire:** BSCOBOND is non-flammable.

**Product Code Number 003**

**Document Issue Date April 2015**

## **BSCOBOND CONCRETE GROUT**

### **❖ Product:**

BSCOBOND CONCRETE GROUT is a non-metallic, cementitious grout that provides hard, dense joints that resist shrinking, cracking and wear.

### **❖ Where to Use:**

BSCOBOND is used as concrete grout and repairing mortars. It can be used for structural grouting of column base plates, machine base plates, anchor rods, bearing plates, etc... multiple fluidity allows ease of placement: ram in place as a dry pack, trowel apply as a medium flow, pour or pump as high flow.

### **❖ Technical Details:**

Compressive Strength	70 N/mm <sup>2</sup>
Tensile Strength	69 N/mm <sup>2</sup>
Flexural Strength	6819 N/mm <sup>2</sup>
Setting Time	3.5 - 5.5 Hrs.

### **❖ Advantages:**

1. Easy to use.
2. Multiple fluidity with one material.
3. Non-metallic, will not stain or rust.
4. Low heat build-up.
5. Interior and exterior applications.

### **❖ Substrate and Surface Preparation:**

Remove all dirt, oil, grease, and other bond-inhibiting materials by mechanical means. Anchor bolts to be grouted must be de-greased with suitable solvent. Concrete must be sound and roughened to promote mechanical adhesion. Prior to pouring, surface should be brought to a saturated surface-dry condition. Surface should be cleaned and prepared thoroughly by blast cleaning to a white metal finish.

### **❖ Mixing:**

As a cement containing blended powder BSCOBOND CONCRETE GROUT must be thoroughly mixed with clean, portable water to a homogeneous slurry prior to application. As the cement cures, the slurry will get thicker with time until it is no longer usable. Mechanical stirrers are recommended for mixing powder into water. The pot life is about 3 hours in ambient conditions. Addition of too much water will result in shrinkage and cracking. Must be use 8-10 kg of aggregates per 40 kg BSCOBOND bags.

### **❖ Application:**

BSCOBOND CONCRETE GROUT can be applied for grouting floors and walls in areas subject to intense traffic, residential areas, balconies, terraces, etc. Do not use more quantities of water during mixing, it causes shrinkage and cracking.

### **❖ Color and Packing:**

- BSCOBOND CONCRETE GROUT is available in grey color.
- BSCOBOND CONCRETE GROUT is delivery in 40 kg. powder in paper bags.



### **❖ Storage:**

BSCOBOND CONCRETE GROUT can be stored 12 months in the original packaging in shade and dry places.

### **❖ Safety Precautions:**

The product contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Use with adequate ventilation; do not breathe dust and wear a NIOSH approved respirator. If ingested, do not induce vomiting; call a physician immediately.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 009**

**Document Issue Date April 2015**



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TEST REPORT

PHYSICAL PROPERTIES OF PRODUCT & SYSTEM FOR THE PROTECTION & REPAIR OF CONCRETE STRUCTURE  
SASO EN 1504-2

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO BOND FINE
Project Name	SASO Quality Mark	Sample Source	Bilateral Specialized Co (BSCO) For Industry

RESISTANCE TO THERMAL SHOCK (EN ISO 13687-5)

TEST NAME	UNITS	TEST RESULTS	SPECIFICATION LIMIT SASO EN 1504-2
Thermal Shock		No any crack observed	no bubbles, cracks and delamination

IMPACT RESISTANCE ( EN ISO 6272-1)

Test Parameter	Test Age (Days)	1	2	3	Average	Specification Requirement
IMPACT RESISTANCE @Class III: ≥20 Nm	28	no cracks and delamination	no cracks and delamination	no cracks and delamination	-	no cracks and delamination

ADHESION STRENGTH BY CROSS-CUT TEST PULL OFF METHOD (EN ISO 2409)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMIT SASO EN1504-2
Adhesion Strength (MPa)	28	3.98	2.87	3.05	3.30	cross cut value: ≤ GT 2

ADHESION STRENGTH WET CONCRETE(EN 13578)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMIT SASO EN1504-2
Adhesion Strength (MPa)	28	2.98	2.75	2.95	2.89	≥1,5

ADHESION STRENGTH PULL OFF METHOD (EN 1542)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMIT SASO EN1504-2
Adhesion Strength (MPa)	28	250	2.69	2.98	85.22	≥0.8
Adhesion Strength (MPa)	28	3.98	2.87	3.05	3.30	≥1.5

SLIP/SKID RESISTANCE(EN 13036-4)

Test Parameter	Units	1	2	3	Average	Specification Requirement EN 1504-2
(inside dry surfaces),	mm	87	88	85	87	Class III: >55 units wet tested (outside)
(inside wet surfaces),	mm	60	58	60	59	Class III: >55 units wet tested (outside)

Tested by : EHSQ  
Test Variation : NIL  
Remark : NIL

AUTHORIZED SIGNATORY



CBMR-207 Rev. 0  
Result related to the items tested.  
This test report shall not be reported except in full, without the written approval of the laboratory.

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## BSCO MORTAR

### Description

BSCO MORTAR (white brick building thermal insulation) available in grey and white color and its weight is 40 ,20kgs.

### Uses

Used for light weight block fixation during the building process with the lowest thickness ranged between 1 and 3mm to avoid any heat leakage and also contains thermal insulation materials to maintain light weight thermal insulation properties in reversely proportional to using traditional cement mortar which applied by 1 to 2 cm which leads to heat leakage and sieving while 1 bag 40 kg is enough for 70 to 100 bricks building of light weight block size 60cmx 20cm x 20cm.

BSCO MORTAR (cement block mortar) available in grey color its weight 40 kg applied with the lowest thickness ranged between and 5 mm by using BSCO mortar that create good leveling because of the lowest thickness applied.

BSCO mortal is ready for mixing by adding the advised quantity of water according to written work instructions in the bag or adequate quantity of water till good consistency obtained compared with the traditional mortar application needs sand storage and random mixing which spending much time and effort,

The prices of BSCO mortar is economic compared with traditional mortal while one bag of BSCO mortar enough to build 55 numbers of cement block size 40cm×20cm×20cm.

### Standard compliance

BSCO complies with BS EN12004 as C2.

Type	Result1
Compressive Strength	18.5 MPa
Flexural Strength	3 MPa
Tensile Adhesion Strength	1.3 MPa
Pot Life	1 Hour
Open Time	20 Minutes
Compact Density	1.6 kg/L



### Advantages

- It doesn't need for curing by water compared with traditional mortar.
- BSCO MORTAR mixed directly with water only and no need to sand and cement storage.
- BSCO MORTAR contains additives to maintain the thermal insulation of light weight blocks.



## **BSCO MORTAR** **(Block Adhesive Mortar)**

### ❖ **Description and Classification:**

BSCOMORTAR is a premium quality cement based adhesive designed for use with water to produce high strength thixotropic mortar, for laying Aerated light weight concrete, bricks, cement hollow blocks, cellular concrete blocks or smoothing over the block work surface up to 12 mm thickness.



### ❖ **Technical Details:**

Test	Result
Compressive strength	16.3 MPa (ASTM C 109/C109M)
Flexural strength	3.3 N/mm <sup>2</sup> (ASTM C 1072)
Tensile Adhesion Strength	1.3 MPa (ASTM C (SASO ISO 13007-2))
Pot life	1 hour
Open Time	20 Minutes
Compact density	1.6 Mg/m <sup>3</sup> (ASTM C 188)

### ❖ **Where to Use:**

1. Aerated light weight blocks.
2. Cellular concrete blocks.
3. Concrete hollow blocks.
4. Cement mortar blocks/bricks.
5. Concrete blocks.

❖ **Characteristics:** BSCO MORTAR is gray powder composed of graded silica sand, cement, property enhancing additives. When mixing with water improve consistency, workability, binding and water retention and also the following features are obtained.

1. Easy to use.
2. High strength.
3. Long working time and opening time.
4. No curing is required after block work is done.
5. Flexible, shock & impact resistant.
6. Improved bond strength, compressive & tensile strength.
7. Fast & economical.
8. Improved adhesion between 2 blocks.

❖ **Substrate Preparation:** The surface should be sound, clean and free from oil, grease, dust deposits and other contaminants that may affect adhesion.

❖ **Mixing:** Add 8-10 liters of clean water to BSCO MORTAR (40kg) and mix thoroughly using mechanical mixer for 3-5 minutes until a uniform paste is achieved and ensure that the mix is free from lumps. In case of 30kg you can add 6-7.5 liters to BSCO MORTAR.

❖ **Application:** Before placing the mortar, ensure that the block work to be dry and surface cleaned properly. Place the mix on the block in thin layers of 2-3 mm using trowel and place the next layer of blocks on the mortar. Keep joints between the blocks as required and fill the joints with the mixed block adhesive. Check the plumb of the wall while laying blocks to keep the walls perfectly vertical to the plumb.

### ❖ **Packaging:**

BSCOMORTAR is packed in 20kg, 30kg and 40kg bags.

❖ **Coverage:** Coverage is depending on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used. A general guideline for coverage is given below.

Thickness	Coverage of 30kg	Coverage of 20kg
3 mm	7.5 M <sup>2</sup>	10 M <sup>2</sup> approx.
6 mm	3.75 M <sup>2</sup>	5 M <sup>2</sup>
9 mm	3 M <sup>2</sup>	4 M <sup>2</sup>
12 mm	2.25 M <sup>2</sup>	3 M <sup>2</sup>

### ❖ **Cleaning:**

Tools should be cleaned with water after the application of BSCOMORTAR.

### ❖ **Storage:**

BSCOMORTAR has a shelf life up to 24 months from the date of production when stored in dry place free from moisture content in original sealed packing.

### ❖ **Health and Safety:**

Use the required safety equipment's when mixing and applying of BSCOMORTAR. For further information, see the safety data sheet.

❖ **Technical Service:** BSCO technical service department is available to assist you in the correct use of our products without obligation.

**Product Code Number 001**

**Document Issue Date April 2015**



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الشركة السعودية للمختبرات الخاصة  
SAUDI SPECIALIZED LABORATORIES CO.

TEST REPORT

PHYSICAL PROPERTIES OF MORTAR CEMENT  
SASO ASTM 1329M

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO AAC Block Glue Morter			
Project Name	SASOQUALITY MARK	Sample Source	Bilateral Specialized Co (BSCO) For Industry			
Project No.	NP	Sampling Method	NP			
Location	Hafr Al Baten, KSA	Sampling Date	NP			
Contractor	NP	Sampled by	Customer			
Consultant	NP	Customer Identification	NP			
CBML Project No.	CBMP-0497-19	Date Received	24-Nov-19			
CBML Sample No.	CBM-241119-005	Sample Condition	Normal			
CBML Report No.	CBMR-19-04509	Environmental Condition	25 °C			
Date of Report	6-Jan-20	Date of Test	04-Jan-20			
Manufacturer	Bilateral Specialized Co (BSCO) For Industry	Sampled Location	Riyadh K.S.A			
Production date	7-Nov-19	Casting / Application date	25-Nov-19			
Sample size	40 Kg X2	Age at test	40			
<b>TEST RESULTS</b>						
TEST NAME	UNITS	TEST RESULTS		SPECIFICATION LIMIT ASTM C1329 M		
Packaging and Marking		BSCO MORTER White AAC Block Glue Morter Specialized Bilateral Company Method Of Mixing Instruction ,Saudi Hafer Al Baten Industries 40 kg Made in KSA.		The brand, name of the manufacturer, type of mortar cement, and net mass of the package in kilograms		
Normal Consistency (ASTM C 187)	%	25		-		
Initial Setting Time (ASTM C 266)	Minutes	130		Not less than 120		
Final Setting Time (ASTM C 266)	Minutes	950		Not more than 1440		
Fineness(ASTM C 430)	%	15		24		
Expansion (Auto Clav) (ASTM C 151-09)	%	0.12		Maximum 1.0		
Density (ASTM C 188)	Mg/m <sup>3</sup>	1.6		-		
<b>WATER RETENTION ( ASTM C1506)</b>						
Test Parameter	Units	Water Demand	Water Retention	SPECIFICATION LIMIT ASTM C1329 M		
Water Retention	%	25	85.5	Min.70		
<b>FLEXURAL STRENGTH (ASTM C 1072)</b>						
Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMIT ASTM C1329 M
Flexural Modulus (N/mm <sup>2</sup> )	28	3.2	3.5	3.3	3.33	Min.0.7



*(Handwritten signature)*

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1 of 2

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# مطابقة MOTABAQAH

الشركة السعودية للمختبرات الخاصة  
SAUDI SPECIALIZED LABORATORIES CO.

## TEST REPORT

### PHYSICAL PROPERTIES OF MORTAR CEMENT SASO ASTM 1329M

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO AAC Block Glue Morter
Project Name	SASOQUALITY MARK	Sample Source	Bilateral Specialized Co (BSCO) For Industry

#### COMPRESSIVE STRENGTH (ASTM C 109/C109M)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMIT ASTM C1329 M
Compressive Strength (MPa)	7	9.5	9.4	9.8	9.6	Min. 9
Compressive Strength (MPa)	28	16.2	16.4	16.3	16.3	Min. 14.5

#### AIR CONTENT (ASTM C185)

Test Parameter	Units	Water Demand	1	2	Average	SPECIFICATION LIMIT ASTM C1329 M
AIR CONTENT (ASTM C185)	%	12	14	13	14	Min.8 Max.17

Tested by : EHSQ  
Test Variation : NIL  
Remark : NIL

  
AUTHORIZED SIGNATORY



CBMR-207 Rev. 0  
Result related to the items tested.  
This test report shall not be reported except in full, without the written approval of the laboratory.

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## BSCO SPLASH

### Description

BSCO SPLASH a pre-blended polymer-modified Portland cement-based spatter-dash designed for application to smooth-and rough-formed concrete, rubble walls, old and new masonry, cement-based slabs, lightweight composite panels and all types of brickwork/blockwork.

BSCO SPLASH can be sprayed on or applied manually providing good key to substrate.

BSCO SPLASH evens out absorbency of high-or-variable-suction backgrounds.

### Advantages

- Ready to use dry-mix, only water is added.
- No additional additive is required.
- For interior and exterior use.
- High bond strength to all substrates.
- Manual or machine application.



### Standard compliance

BSCO complies with BS EN12004 as C2.

Type	Pre-mixed cementitious grey powder
Compressive Strength	18MPa after 7 days
	24MPa after 28 days
Flexural Strength	2.2 MPa after 28 days
Set Time	4 Hours
Pot Life	2 Hours
Average Coverage	6 M <sup>2</sup> /40kg bag at 5 mm thickness
Wet Density	2.9 Kg/L
Mixing Water	12 liters of cold clean water per 40 kg bag





## BSCO SPLASH

❖ **Product:** BSCOSPLASH is a non-metallic, cementitious grout with high performance additives for multipurpose applications and does not contain additional bonding agent.

### ❖ **Where to Use:**

BSCO SPLASH can be used on concrete, block walls and precast panels prior to plastering applications. BSCO SPLASH enhances the binding between substrate and coatings. Applicable for internal and external in dry & wet conditions.

### ❖ **Technical Details:**

Compressive strength	16 N/mm <sup>2</sup>
Application Thickness	3 - 5 mm
Tensile Strength	0.5 N/mm <sup>2</sup>
Setting Time	3.5 – 5.5 hrs.

### ❖ **Advantages:**

1. Easy to use, just add water.
2. Multiple fluidity with one material.
3. Non-metallic, will not stain or rust.
4. Weather resistant.
5. Interior and exterior applications.

### ❖ **Substrate and Preparation:**

Remove all dirt, oil, grease, and other bond –inhibiting materials by mechanical means. Substrate must be sound and roughened to promote mechanical adhesion. Prior to pouring, surface should be brought to a saturated surface-dry condition. Surface should be cleaned and prepared thoroughly by blast cleaning to a white metal finish.

### ❖ **Mixing:**

As a cement containing blended powder BSCO SPLASH must be thoroughly mixed with clean, potable water to a homogeneous slurry prior to application. As the cement cures, the slurry will get thicker with time until it is no longer usable. Mechanical stirrers are recommended for mixing powder into water. The pot life is about 3 hours in ambient conditions. Addition of too much water will result in shrinkage and cracking.

❖ **Application:** BSCOSPLASH can be applied in a single coat application to achieved desired thickness of 3 – 5 mm. Apply mixed material using mechanical spray or hawk & trowel technique. Do not use more quantities of water during mixing, it causes shrinkage and cracking.



### ❖ **Color and Packing:**

BSCO SPLASH is available in grey color.

BSCO GROUT GTC-10 is delivery in 40kg. powder in paper bags.

### ❖ **Storage:**

BSCO SPLASH can be stored 24 months in the original packaging in shade and dry places.

### ❖ **Safety Precautions:**

This product contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Use with adequate ventilation; do not breathe dust and wear a NIOSH approved respirator. If ingested, do not induce vomiting; call a physician immediately.

### ❖ **Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse



Product Code Number 001

Document Issue Date April 2015

## BSCO PLASTER

### Description

BSCO Plaster is a pre-blended, Portland cement based, colored render designed for exterior facades to be applied over stretch coat or plaster.

Decorative are dashed and passed into BSCO PLASTER while it is still soft to give and attractive hard wearing surface finish with weather resistant and low maintenance,

BSCO PLASTER is available in white color for easy application any color protection as a paint and also if interior it will save for putty layers Advantages

### Advantages

- Available in white color and easy to be colored.
- It can be applied above the wall without using splash or metal lath.
- Excellent dirt pick-up resistance.
- Excellent application properties.
- High bond strength.



### Standard compliance

BSCO Crystal conforms to appropriate sections of ASTM C 926; standard specification for application if Portland cement-based plaster.

Type	Pre-mixed cementitious grey powder
Compressive Strength	7 MPa after 7 days.
	14 MPa after 28 days.
Flexural Strength	1.1 MPa after 28 days.
Set Time	3 Hours.
Pot Life	2 Hours.
Average Coverage	3 M <sup>2</sup> /40kg bag at 1.5 mm thickness.
Wet Density	2 Kg/L.
Mixing Water	10 liters of cold clean water per 40 kg bag.
Color	BSCO standard color range.
Bulk Density	~ 1.7 Kg/L



## **BSCO PLASTER (BRP)** **(White & Different Colors)**

### ❖ **Description and Classification:**

BSCOPLASTER (BRP) is a cement-based blended powder that when mixed thoroughly with water, can be trowel applied in typical thickness of 2–4 mm over masonry surfaces such as new and old bricks and concrete block work.



### ❖ **Where to Use:**

BSCOPLASTER (BRP) is trowel applied for a one or two coat application on all suitable masonry surfaces such as bricks or blocks, etc. both inside and out, and is recommended to aid in the protection of masonry walls from the damaging effect of surface ingress of moisture. If the surface is in good order, only a skim coat is required. BSCOPLASTER (BRP) is applied either mechanically sprayed or troweled and rubbed up to a true and even surface with a float.

### ❖ **Technical Details:**

Test	Result
Compressive strength	13.4 N/mm (EN 1015-11)
Adhesion Strength	2.17 N/mm <sup>2</sup> (ASTM C109)
Bulk Density	1710 Kg/m <sup>3</sup> (EN 1015-10)
Workability	130mm after 5 hrs.

### ❖ **Features:**

BSCO PLASTER (BRP) provides the following features.

1. Trowels on easily and smoothly in thin layers.
2. It's more water proof than conventional render.
3. Easily prepared. Just add water and drill to your preferred consistency.
4. It's ideal for renovation work or over new surfaces.
5. Consistent quality.

### ❖ **Advantages:**

1. Applied directly by adding water only without another additive to the substrate without using mesh.
2. Applied directly for concrete surface also without mesh.
3. Light weight density.
4. Thermal insulation heat.
5. Save the putty layers.
6. Applied exterior and interior with decorative layers.
7. You can avoid water curing by adding 5% Liquid BSCOROOF.
8. You can use wastage after 2-3 hours from application type.
9. You can apply putty directly after 48 hrs.

❖ **Substrate Preparation:** Before application of BSCOPLASTER (BRP), the masonry surfaces should be clean, dry, cured and free of any dust and debris. Pre-painted substrate must be wire brushed back to the bare substrate. Adequate expansion joints are required to minimize cracking on the surface of the render.

❖ **Application:** BSCOPLASTER (BRP) is a low build render that can be troweled over masonry surfaces in single coat or two coat thicknesses up to 4mm with each application. Floating in a smooth, circular motion is recommended for a smooth, hole free continuous surface. BSCOPLASTER (BRP) is also suitable for spraying by pumpable render machines.

### ❖ **Mixing:**

As a cement containing blended powder BSCOPLASTER (BRP) must be thoroughly mixed with clean, potable water to a homogeneous slurry prior to application. As the cement cures, the slurry will get thicker with time until it is no longer usable.

Mechanical stirrers are recommended for mixing powder into water. The pot life is about 3 hours in ambient conditions. Addition of too much water will result in shrinkage and cracking.

### ❖ **Color and Packing:**

BSCO PLASTER (BRP) is available in white and different colors. BSCO PLASTER (BRP) Is delivery I 40Kg. powder in paper bag.

### ❖ **Storage:**

BSCO PLASTER (BRP) can be stored 24 months in the original packaging in a normal indoor environment.

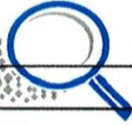
### ❖ **Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet

❖ **Warning:** The technical details and recommendations in this data sheet is to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 008**

**Document Issue Date April 2015**



مطابقة  
MOTABAQAH

TEST REPORT

PHYSICAL PROPERTIES OF RENDERING/ PLASTERING MORTAR  
BS EN 998-1

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO Plaster white
Project Name	SASO Quality Mark	Sample Source	Bilateral Specialized Co (BSCO) For Industry
Project No.	NP	Sampling Method	NP
Location	Hafr Al Baten, KSA	Sampling Date	NP
Contractor	NP	Sampled by	Customer
Consultant	NP	Customer Identification	NP
CBML Project No.	CBMP-0497-19	Date Received	24-Nov-19
CBML Sample No.	CBM-241119-009	Sample Condition	Normal
CBML Report No.	CBMR-19-04513	Environmental Condition	25 °C
Date of Report	27-Dec-19	Date of Test	05-Jan-19
Manufacturer	Bilateral Specialized Co (BSCO) For Industry	Sampled Location	Riyadh K.S.A
Production date	NP	Casting / Application date	27-Nov-19
Sample size	40 Kg X3Bags	Age at test	>28 days

TEST RESULTS

TEST NAME	UNITS	TEST RESULTS	Specification Requirement BS EN 998-1
Packaging and Marking		BSCO GROUT WHITE Specialized Bilateral Company Method Of Mixing Instruction ,Saudi Hafer Al Baten Industries 10 kg Made in KSA.	number and date of issue of this European Standard; product name and/or type of mortar according to 3.5.1 to 3.5.6; name of manufacturer; a code for or the date of production.

DRY BULK DENSITY (BS EN 1015-10)

Test Parameter	Units	1	2	3	Average	Specification Requirement BS EN 998-1
Powder (EN 1015-10)	Kg/m <sup>3</sup>	1700	1710	1720	1710.0	Not declared in Standard
Hardened Mortar EN 1015-10	Kg/m <sup>3</sup>	656	653	652	653.7	Not declared in Standard

COMPRESSIVE STRENGTH (EN 1015-11)

Test Parameter	Test Age (Days)	1	2	3	4	5	6	Average	Specification Requirement BS EN 998-1
Compressive Strength (N/mm <sup>2</sup> )	28	13.36	13.45	12.84	13.66	13.36	13.5	13.4	3.5 to 7.5

ADHESION STRENGTH BY PULL OFF TEST (11015-12)

Test Parameter	Test Age (Days)	1	2	3	Average	Specification Requirement BS EN 998-1
Adhesion Strength (N/mm <sup>2</sup> )	28	2.1	2.5	1.90	2.17	0.3

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C.R.No. 1010225110

Closed Shareholding Co.: Fully Paid Capital: S.R. 500,000,000

مطابقة  
MOTABAQAH  
الشركة السعودية للمختبرات الخاصة  
Saudi Specialized Laboratories Co.  
مختبر فحص مواد التشييد والبناء  
الرياض  
1 of 2  
CONSTRUCTION & BUILDING MATERIALS LABORATORY - RIYADH

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شركة مساهمة مقفلة برأس مال ٥٠٠,٠٠٠,٠٠٠ ر.س (مدفوع بالكامل)

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السجل التجاري: ١٠١٠٢٢٥١١٠



# مطابقة MOTABAQAH

## TEST REPORT

الشركة السعودية للوختبرات الخاصة  
SAUDI SPECIALIZED LABORATORIES CO.

PHYSICAL PROPERTIES OF RENDERING/ PLASTERING MORTAR BS EN 998-1			
Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO Plaster white
Project Name	SASO Quality Mark	Sample Source	Bilateral Specialized Co (BSCO) For Industry

### ADHESION STRENGTH AFTER WEATHERING CYCLES (EN 1015-21)

Test Parameter	Test Age (Days)	1	2	3	Average	Specification Requirement BS EN 998-1
Adhesion Strength (MPa)	28	2.08	1.6	2.06	1.91	Not declared in Standard

### WATER PENETRATION AFTER CAPILLARY WATER ABSORPTION TEST (EN 1015-18)

Test Parameter	Test Age (Days)	Result	Specification Requirement EN 998-1
Water penetration after capillary water absorption test (ml / cm <sup>2</sup> )	28	0.5	Not declared in Standard

Tested by : EHSQ  
Test Variation : NIL  
Remark : The tested material is complying the SASO EN 998-1

AUTHORIZED SIGNATORY



CBMR-207 Rev. 0  
Result related to the items tested.  
This testreport shall not be reported except in full, without the written approval of the laboratory.

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C.R.No. 1010225110

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2 of 2

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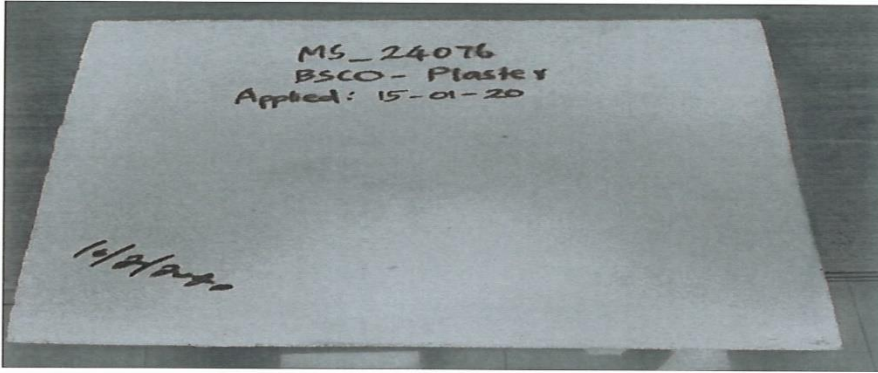
Closed Shareholding Co.: Fully Paid Capital: S.R. 500,000,000

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شركة مساهمة مقفلة برأس مال : ٥٠٠.٠٠٠.٠٠٠ ر.س (مدفوع بالكامل)



## REPORT ON THERMAL CONDUCTIVITY OF PLASTER

Client	: BSCO SAUDI ARABIA	Lab Ref No. :	CQ-2005/1202
Address	: Kingdom of Saudi Arabia	Lab. Project No :	P-6131
Project Name	: Quality Control Testing	Lab. Report No :	CR-2005/2183
Sample Identification	: MS-24076	Sample Size (No.) :	NP
Sample Description	: BSCO Plaster(MS-24076)	Calibration used :	1450b
Test specimen size (L x W x T)	: 300 x 300 x 50 mm	Set Point Upper Plate :	30.00°C
Source	: NP	Set Point Lower Plate :	40.00°C
Sampling Method	: Random	Mean Temperature :	35.00°C
Sampling Date	: NP	Sample Brought by :	Client
Sampled by	: Client	Date of Casting :	15/01/2020
Orientation of Specimen	: Horizontal	Date Sample Received :	11/02/2020
Ambient Temperature	: 23 ± 2°C	Date test Started :	11/02/2020
Relative Humidity	: 50 ± 5 %	Date Test Completed :	12/02/2020
		Report Date :	15/02/2020
		Tested by :	JR



CR-2005/2183

### Test Data

S.No	TEST NAME	UNIT	RESULT
1	Thermal Conductivity	W/mK	0.803
2	Density	Kg/m <sup>3</sup>	1620

Test Method : ASTM C 518-15  
Test Method Variation : None  
Remarks : None



Authorized Signatory  
Sehail Zafar  
Laboratory Manager  
R-TC-001  
Issue: 01  
Issued on: 28/02/16

Results relate only to the item tested.  
This report shall not be reproduced except in full, without the written approval of the laboratory

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## BSCO PUTTY

### Description

- Anti-bacterial and anti-fungus and also water.
- Available in white color in a bag of 25kg. Adding water only into the bag without using other additives.
- Preferable to mix small quantity between the range 5 to 10kg to avoid any putty damage met homogeneous mix and increase the efficiency of BSCO PUTTY workability.
- It can be applied directly on the BSCO PLASTER or traditional plaster substrate with the thickness ranger between 1mm to 10mm.
- Tools must be cleaned directly after use.

### Standard compliance

Type	Pre-mixed cementitious grey powder
Compressive Strength	12 MPa after 7 days.
	17 MPa after 17 days.
Set Time	1 Hours.
Pot Life	2 Hours.
Compressive Strength	2 MPa after 28 days.
Wet Density	1.80 Kg/L.
Mixing Water	8 liters of cold clean water per 25kg bag.
Color	White, Grey
Bulk Density	~ 1.4 Kg/L

### Advantages

- Excellent application and filling properties.
- High bond strength.
- Slump-free consistency, no sag.
- High smoothness.
- Long open time.
- Good breathing properties.
- For interior and exterior use.
- Water resistant.
- Compatible with all decorative paints.
- Suitable for tropical and hot climate conditions.







## **BSCO PUTTY (BPC)**

❖ **Product:** BSCOPUTTY (BPC) is powder based, a unique mixture of super fine white cement blended with flexible powder polymer, bonding chemicals and high performance additives.

❖ **Description:** BSCOPUTTY (BPC) is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only addition of fresh water to produce cohesive mix. BSCOPUTTY (BPC) is a high quality product as thin underlayment to repair undulations and provides very smooth surface finish ideal for subsequent application of paint and decorative coatings. BSCOPUTTY (BPC) can be applied externally and internally in wet to dry conditions onto the walls and ceilings in general thickness from 1mm to 3mm and in isolated areas up to 5mm.

### ❖ **Technical Details:**

Wet Density	1.5 Kg/Liter.
Compressive Strength	8.5 N/mm <sup>2</sup> (ASTM C349)
Flexural strength	4 N/mm <sup>2</sup> (ASTM C348)
Setting Time	7 – 9 Hrs.

### ❖ **Advantages:**

1. Factory controlled pre-blend ensures consistent high quality.
2. Requires only addition of water on-site at the time of usage.
3. Suitable for external and internal applications.
4. Easy application with superior finishing achieved in minimum efforts.
5. Strong adhesion on variety of substrates.
6. Concrete and plastered walls & ceilings.
7. Suitable for humid and dry conditions.

❖ **Substrate and Surface Preparation:** Surfaces to which BSCOPUTTY (BPC) are applied, should be clean, sound, free from loose materials, grease, laitance, dirt curing compound etc. Prior to BSCOPUTTY (BPC) application, wet the entire surfaces with clean potable water and allow to become damp at the time of application.

❖ **Mixing:** For mechanical mixing add to the mixing container 15 liters of water for each 25 Kg bag of BSCOPUTTY (BPC). Add the powder to the water and mix with a mechanical plaster mixer or low speed electric drill fitted with a suitable paddle for 3 – 4 minutes, until a uniform, lump free consistency is achieved.

Leave the mixed material to stand for 10 minutes and briefly remix without addition of water. Mixed material must be used within 3 hours. Do not add water once the mixed filler mortar starts to stiffen or harden.

### ❖ **Application:**

BSCOPUTTY (BPC) is generally applied in single or double coats. Apply BSCOPUTTY (BPC) to the substrate by pressing the putty firmly, work the mixed material to a smooth level using flat trowel. Apply second coat as necessary once the first coat has initially set.

### ❖ **Curing:**

BSCOPUTTY (BPC) is self-curing and do not require water treatment.

### ❖ **Precautions:**

Although BSCOPUTTY (BPC) do not contain any toxic material, use rubber gloves while mixing. Precaution should be taken to avoid dust inhalation while handling PUTTY powder or during removal of application marks with fine emery paper wearing nose mask. Keep the product out of reach of children.

### ❖ **Storage:**

BSCOPUTTY (BPC) can be stored 24 months in the original packaging in a normal indoor environment.

### **NOTE:**

**1. DO NOT USE MORE QUANTITIES DURING MIXING**

**2. MAKE SURE THE SURFACE COMPLETELY DRY AND CLEAN BEFORE APPLY.**

**3. DO NOT USE THE WASTAGE OF PUTTY**

**4. DO NOT RECYCLE, SHOULD BE DAMAGE ALL WASTAGE MATERIAL**

**5. CLEAN THE TOOLS DIRECTLY AFTER APPLICATION.**

**Product Code Number 007**

**Document Issue Date April 2015**



**WACKER** **POLYMERS**

**Wacker Chemicals Middle East FZE**  
Dubai Silicon Oasis  
P.O.Box 341071  
Dubai - U.A.E  
Tel. +971 4 709 9999  
Fax. +971 4 709 9911

## TEST REPORT

Sample **BSCO PUTTY**  
Customer

TCD- MS 22079

**BILATERAL SPECIALIZED CO. (BSCO)  
SHANTAL GROUP  
HAFER ALBATEN INDUSTRIAL AREA  
KINGDOM OF SAUDI ARABIA**

Date **22 April 2019**  
Tested by **Dubai Technical Center**

### 1 INTRODUCTION

- The main scope of the project was to test sample **BSCO Putty** for **BSCO, KSA** according to EN 1015 for the following tests.
  - a) Compressive Strength & Flexural Strength as Per EN 1015-11
  - b) Tensile Adhesion Strength as Per EN 1015-12
  - c) Water Absorption Coefficient as Per EN 1015-18
  - d) Setting Time as per EN 196-3
  - e) Abrasion Resistance as per EN 12808-2
- Samples provided by the customer and received in good condition.
- Test Conditions:  
**Temperature: 23 ± 2 °C, Relative Humidity: 50 ± 5%**
- Storage Conditions  
**Temperature: 23 ± 2 °C, Relative Humidity: 50 ± 5%**
- Water demand is approx. 45%
- Test Date: 18/04/2019

These results refer only to the materials received for testing purposes. They do not imply any warranty. Usage should be suited to local conditions and the materials employed. Any proprietary rights should be respected. All rights reserved.



Page 2 of 5

**WACKER POLYMERS**

**2. Test Results**

**2.1 FLEXURAL AND COMPRESSIVE STRENGTH**

Formulation	
Gauging water [ml] on 100g dry-mix	45
Workability	Moderate

**Flexural Strength**

KN	N/mm <sup>2</sup>
0.7983	1.852
0.8633	2.023
0.8633	2.023
<b>Mean Value</b>	<b>1.97</b>

**Compressive Strength**

	KN	N/mm <sup>2</sup>
1	7.6	4.7
2	7.7	4.8
3	6.8	4.3
4	7.2	4.5
5	7.3	4.6
6	7.7	4.8
<b>Mean Value</b>	<b>7.3</b>	<b>4.6</b>

**2.2 TENSILE ADHESION STRENGTH (BOND STRENGTH)**

Storage Condition	Tensile Strength (N/mm <sup>2</sup> )	Mean (N/mm <sup>2</sup> )
Standard Condition	0.68	0.65
	0.66	
	0.65	
	0.64	
	0.63	

**2.3 WATER ABSORPTION COEFFICIENT**

Water Absorption coefficient (Kg/m <sup>2</sup> .h <sup>24</sup> )	Mean Value
	1.82

See detailed results and graph in Annex I & II.

**2.4 SETTING TIME**

Setting time [Minutes]	Initial Set (Minutes)	330
	Final Set (Minutes)	540

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Page 3 of 5

## WACKER POLYMERS

### 2.5: Abrasion Resistance

Abrasion Resistance as per EN 12808-2:2009-01		Chord length of groove (mm)	Resistance to Abrasion (mm <sup>3</sup> )
Test specimen 1	Reading 1	38.0	462
	Reading 2	37.5	444
Test Specimen 2	Reading 3	37.5	444
	Reading 4	38.0	462
Mean Value (mm <sup>3</sup> )			453

ABBAS KANISAN  
TECHNICAL SERVICE MANAGER  
CONSTRUCTION POLYMERS

Wacker Chemicals Middle East FZE  
Dubai Silicon Oasis

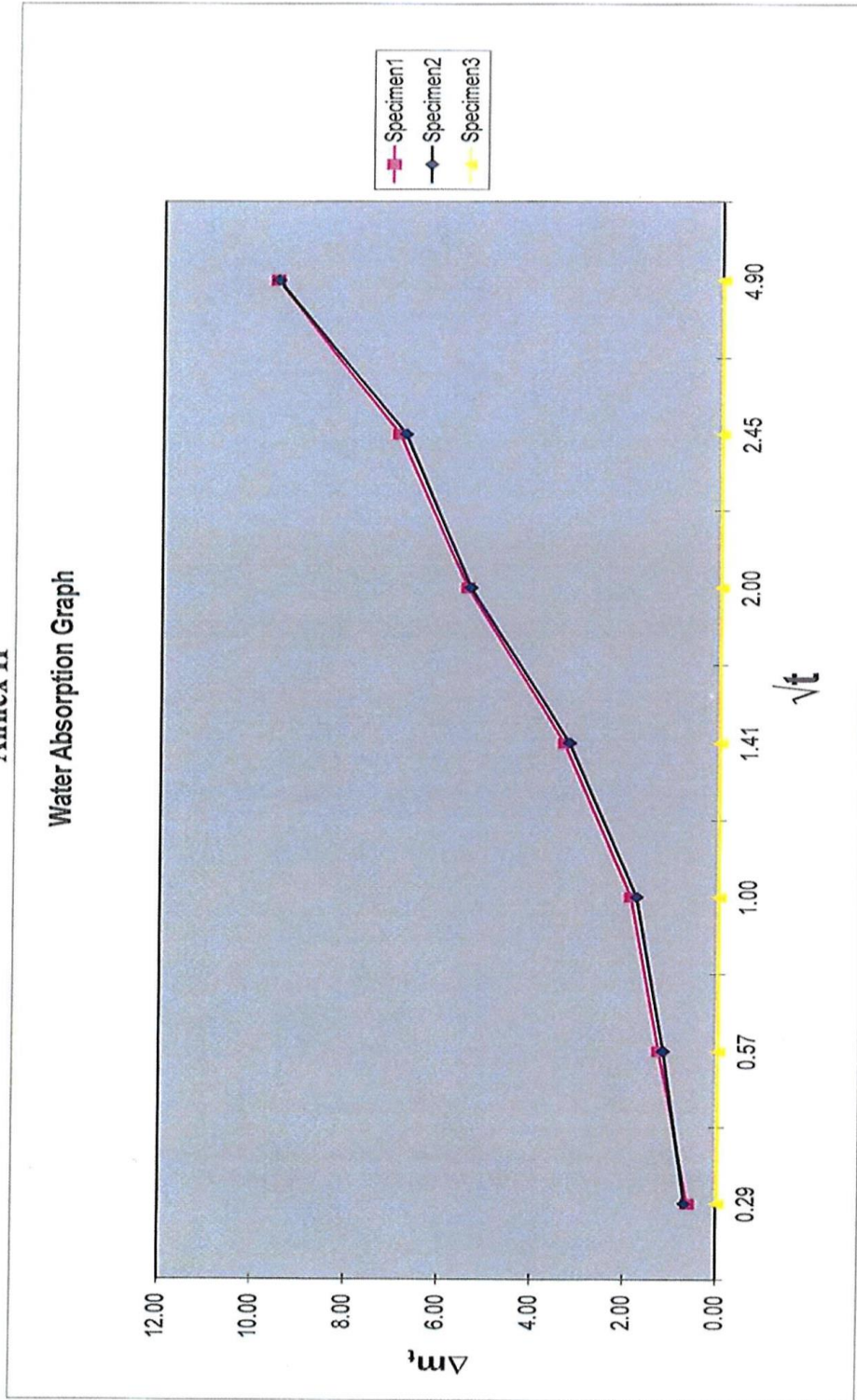
MOHAMMED SANA OBAR  
REGIONAL TECHNICAL DIRECTOR - DUBAI

Wacker Chemicals Middle East  
Dubai Silicon Oasis

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Annex II

Water Absorption Graph



These results refer only to the materials received for testing purposes. They do not imply any warranty. Usage should be suited to local conditions and the materials employed. Any proprietary rights should be respected. All rights reserved.

**VACKER POLYMERS**

**Annex I**

Sl no.	Diameter (m)	Wt of Dry specimen (kg) $m_0$	Water Absorption after 5 min $m_1$ (kg)	$\Delta m_1 = (m_1 - m_0) / \text{Area}$	Water Absorption after 20 min $m_2$ (kg)	$\Delta m_2 = (m_2 - m_0) / \text{Area}$	Water Absorption after 60 min $m_3$ (kg)	$\Delta m_3 = (m_3 - m_0) / \text{Area}$	Water Absorption after 120 min $m_4$ (kg)	$\Delta m_4 = (m_4 - m_0) / \text{Area}$	Water Absorption after 240 min $m_5$ (kg)	$\Delta m_5 = (m_5 - m_0) / \text{Area}$	Water Absorption after 360 min $m_6$ (kg)	$\Delta m_6 = (m_6 - m_0) / \text{Area}$	Water Absorption after 24 hrs $m_7$ (kg)	$\Delta m_7 = (m_7 - m_0) / \text{Area}$	$A_w = \left( \frac{\Delta m_7}{m_0} \right) / \sqrt{t}$	Area of Specimen ( $m^2$ )
1	0.211	0.701	0.723	0.629	0.745	1.258	0.767	1.888	0.818	3.346	0.892	5.462	0.944	6.949	1.036	9.581	1.83	0.035
2	0.212	0.712	0.736	0.680	0.753	1.162	0.774	1.756	0.826	3.230	0.902	5.383	0.952	6.799	1.049	9.547	1.81	0.035
																Mean	1.82	

These results refer only to the materials received for testing purposes. They do not imply any warranty. Usage should be suited to local conditions and the materials employed. Any proprietary rights should be respected. All rights reserved.

## BSCO GRAPHIC



### Description

- Anti-bacterial and anti-fungus and also water.
- Ready to mix with water which written into the BSCO graphic bag without using another additive and mechanical mixing preferable to get homogeneous mix.
- BSCO graphics available in white color only to avoid any sudden color variations after application which usually appear during alternative product application and color preferable to apply water base of solvent base paint as per the selection for type and color shade.
- BSCO graphics directly apply above BSCO plaster or traditional plaster without using acrylic primer as usual when apply the alternative acrylic paste product with the thickness 2mm to 3mm as per required shape.
- Apply directly the type of paint required without using acrylic primer while it is helping for quantity of paint saving while enjoy with the advantage because of including some

### Standard compliance

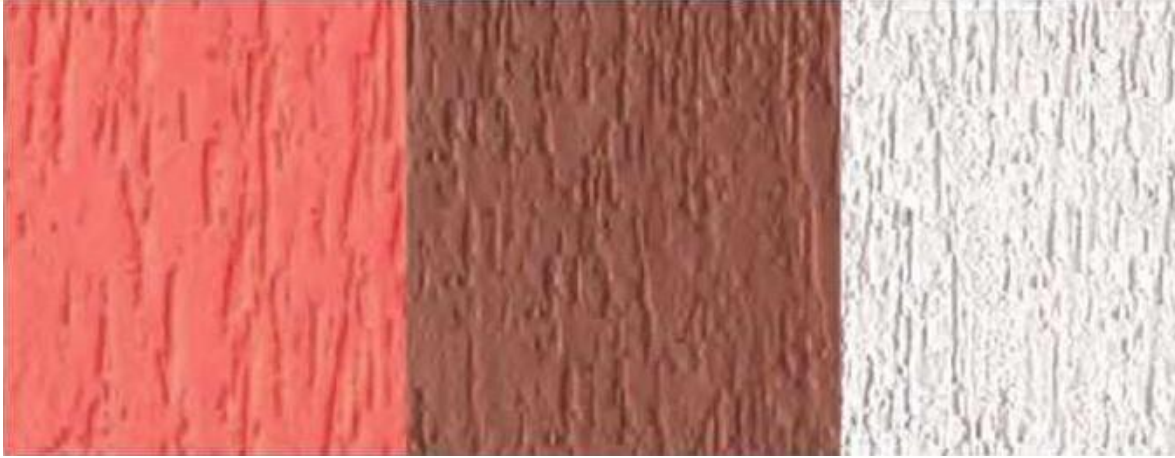
BSCO PLASTER C conforms to appropriate sections of ASTM C926; Standard specification for application of Portland cement-based plaster.

Type	Pre-mixed cementitious grey powder
Compressive Strength	7 MPa after 7 days.
	12 MPa after 28 days.
Set Time	3 Hours.
Pot Life	2 Hours.
Flexural Strength	1.2 MPa after 28 days.
Wet Density	1.7 Kg/L.
Mixing Water	~8 liters of cold clean water per 40kg bag.
Coverage	8 m <sup>2</sup> /40kg bag at 0.5 mm thickness.
Bulk Density	~ 1.5 Kg/L



### Advantages

- Excellent application properties.
- High bond strength.
- Resistant to water and all climatic conditions.
- For vertical, horizontal and overhead applications.
- Wide range of finishing textures.
- Suitable for tropical and hot climate conditions.



## BSCO GRAPHIC

❖ **Product:** GR Render/Plastic is a general-purpose dry mixed polymer modified cement Render/Plaster for internal and external uses.



❖ **Description:** GR Render/Plaster is a cement based plaster and can be applied at thickness of 1mm-5mm (for thickness over 5mm please get in touch with BSCO technical team). It is an ideal substrate to decorative paints/plaster and wall paper. Can be applied by suitable plastering machine or by hand. GR Render/Plaster is based on hydraulic binders, graded quartz sand and synthetic polymers.

### ❖ **Technical Details:**

Test	Result
Compressive strength	63Kg / cm <sup>2</sup> according to DIN 1164
Air Entrainment	22.9% according to DIN 1855
Bulk Density	1.72Kg / Liter.
Workability	(Minimum) 14 cm according to DIN 1855

### ❖ **Recommended Uses:**

1. Single component pre blended powder, simply add water and mix.
2. Excellent bond strength and adhesion to treated concrete.
3. Easy to use and apply.
4. No primer or curing compound required.
5. For internal or external use.
6. Adequate strength.

### ❖ **Water Requirements:**

9-10 liters per 40Kg paper bag.

### ❖ **Packing:**

GR Render/Plaster is supplied in 40Kg paper bags.

❖ **Substrate and Surface Preparation:** Surfaces to which GR Render/Plaster are applied, should be clean, sound, free of dust and loose particles. Cement laitance, oil, grease, mold release oil or curing compounds must be removed from concrete or masonry surfaces by using wire brush, bush hammer, scabbler, grit blasting or other means. During application, the temperature of the substrate should not be below 5°C. Fair faced concrete surface to be treated with Graphic (a rough texture need to be obtain to provide a mechanical key to the subsequent coat of GR Render/Plaster). Graphic to be cured with water for a period of 2 days prior to the application of GR Render/Plaster.

❖ **Mixing:** Care should be taken to ensure that GR Render/Plaster is thoroughly mixed. Small quantities (up to 10 kg) can be mixed by hand using a suitable mixing drum or bucket. Greater quantities must be mixed with a mechanical forced mixer with a high shear stirrer. Use potable water while mixing and add water into the mixing vessel, and with a mixer in operation, add one full bag of GR Render/Plaster and mix for 3 to 5 minutes until, a fully homogeneous and uniform mix is achieved. Dependent on the ambient temperature and the desired consistency, the amount of water required may vary slightly but should not exceed 9-10 liters per 40 kg of GR Render/Plaster. Excess mixing water may result in surface crazing, cracking as well as lower strength and adhesion.

Note: In all cases GR Render/Plaster powder must be added to water.

### **DO NOT MIX LARGE QUANTITIES BY HAND**

❖ **Placing:** Apply the mixed GR Render/Plaster to the prepared substrate by steel trowel from a feather-edge up to 5mm thickness. It should be applied with the minimum of working and be allowed to partly set before finally troweling to finish. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

### **DO NOT ADD EXCESS WATER**

Note: Maximum applied thickness of GR Render/Plaster is 20mm.

❖ **Pot Life:** Setting begins after 30-40 minutes (at 25°C substrate and ambient temperature) and ends after another 50-60 minutes. The working period depends very much on the product temperature and on the amount of mixing water added. Therefore, the times given above should be regarded as a guideline. The addition of water to the mortar after it has started to stiffen is not recommended and the product should be discarded.

❖ **Finishing:** GR Render finish coat is finished by striking of with a straight edge and closing with a steel float. Wooden or damp sponges, may be used to achieve the desired surface texture. The completed surface should not be overworked.

❖ **Application of Coatings:** GR finish coat when cured, has good resistance to water. However, if areas are subject to exposure or continuous water immersion or chemical attack from solvents or acids, suitable coating should be applied.

**Product Code Number 008**

**Document Issue Date April 2015**

## BSCO ROOF

### BSCO ROOF LIQUID 20 KG ►

#### Description

- Anti-bacterial and anti-fungus and also thermal insulation and non-toxic.
- Available in plastic can of 20 Kg ready for using which contain water proof polymer reacts with cement base powder.

### BSCO ROOF POWDER 23 KG ►

#### Description

- Anti-bacterial and anti-fungus and also thermal insulation and non-toxic.
- Available in paper bag of 23Kg.
- Cement base powder with high silica content and other additives assisting good workability and opened time and elongation properties looks like rubber advantages.
- MIX BSCO ROOF POWDER with BSCO ROOF LIQUID till you reach the suitable consistency similar to pain consistency.
- Clean the surfaces.
- Apply directly on above concrete surfaces be sure that there are no cracks and leveled and complete treatment before application by using BSCO BOND or BSCO PLASTER.
- Apply the mix with three perpendicular layers (vertical-horizontal-vertical) while the drying time 2 hours between each layer changed as per the season.
- Rate of coverage area ranged between 20 m<sup>2</sup> and 25 m<sup>2</sup> with three layers.
- Used as water proof for furniture kitchen and water tanks maintenance same as mentioned before.

#### Standard compliance

Water Absorption	1.3% wt
Tensile Strength	12Kg/cm <sup>2</sup>
Tear Strength	35 N
Water Impermeability	0.5g/m <sup>2</sup> . mm Hg/24hr
Elongation	200%





## BSCO ROOF

❖ **Product:** BSCO Roof is a general purpose membrane, excellent in multi-layer roofing systems. BSCO Roof Liquid offers approximately total impermeability to water, strong bond ability and seen integrity. It is easy to apply with a wide range of decorative finishes.



❖ **Where to use:** BSCO Roof Liquid can be used in concrete or aerated concrete roofs, bath rooms, walls, floors, around drainage systems and any concrete surface that needs water proofing. Any joints or cracks found between ceramics, roof floors and concrete surfaces must be treated with BSCOBOND and coated by combination between one volume of BSCOROOF Liquid and one volume of water applied by brush or roller.

❖ **Technical Details Combined with BSCOROOF Powder:**

Water absorption	1.3% wt.
Tensile strength	12kg/cm <sup>2</sup>
Tear strength	35 N
Water impermeability	0.5g/m <sup>2</sup> .mm Hg/ 24hr
Elongation	200%

❖ **Features:**

BSCO Roof Liquid provides the following features:

1. 100% water proofing.
2. Hardness and flexibility
3. Faster drying time
4. Easy application by brush, roller or spraying
5. High build coating for porous rough tile surfaces

❖ **Substrate and Surface Preparation:** Surfaces to receive roof liquid system to ensure they are clean, smooth, sound, properly prepared, and free of moisture, frost, ice, snow, dirt, debris, contaminants, or other conditions that may impair the application and performance of the roof liquid.

Remove all foreign debris by vacuum, sweeping, or power blower. Pressure wash the entire roof surface to remove any contaminants or particulates that would interfere with the proper adhesion of the roof liquid.

The Applicator shall exercise caution during pressure washing to avoid additional damage to the existing roof system. Allow area to dry completely before applying the roof liquid. Apply three course application of BSCO Roof Liquid.

❖ **Mixing:** Mix one volume of BSCOROOF liquid and one volume of water applied together using on electrical stirrer until homogeneous mixture. Apply the mixture up to four layers' perpendicular with regular intervals by brush or roller after treatments of any joints or cracks. Finally gives transparent coat.

❖ **Application:** BSCO Roof Liquid is a high quality gloss exterior acrylic emulsion coating for roof tiles and concrete/masonry surfaces with exceptional durability, gloss, flow and wet adhesion characteristics. This product has been designed to provide a water based roof tile and concrete and masonry surface coating with excellent weatherproofing and durability, and exceptional wet adhesion performance. Surfaces coated with Nu-Flex perform exceptionally under conditions of hot cold and wet weather, provided correct surface preparation has been ensured. It takes 3 days to cure from application time.

❖ **Color and Packing:**

BSCO Roof Liquid is available in milky color.

BSCO Roof Liquid is delivery in 20 Kg as liquid product.

❖ **Coverage Rate:**

Coverage area depends on the nature of the surface which applied.

❖ **Storage:**

BSCO Roof Liquid can be stored 12 months in the original packaging in a normal indoor environment.

❖ **Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

This product contains no VOC (Volatile Organic Compound).

❖ **Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 017**

**Document Issue Date January 2019**



TEST/MUAYENE RAPORU

EUROLAB LABORATUVAR HİZMETLERİ  
TÜRCERT TEKNİK KONTROL VE BELGELENDİRME A.Ş.



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2021083116



Report No : 2021083116  
Applicant: BILATERAL SPECIALIZED COMPANY FOR INDUSTRY (BSCO)  
Contact Person : -  
Contact Telephone: 00966-551415553  
Contact e-mail: ghannamhms1@gmail.com  
Sample Accepted on: 11.08.2021  
Report Date: 31.08.2021  
Total number of pages: 4 (Pg)  
Sample ID: BSCO ROOF 2 COMPONENTS POWDER & LIQUID

	TEST	METHOD	RESULTS
*	Water Absorption	INHOUSE	See Table
*	Tensile Strength		
*	Tear Strength		
*	Water Impermeability		
*	Elongation		
*	Specific Gravity		
*	Color		
*	pH Range		
*	Dry Density		
*	Drying Time		



Seal

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Environment

The requirements and standards apply to equipment intended for use in

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment



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Page 2 / 4



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Product Name :BSCO ROOF 2 COMPONENTS POWDER & LIQUID		
Test Name	Remark	Result
Water Absorption	<p>Purpose The purpose of the test is to express the water absorption rate of the sample as a percentage (%) under specified conditions.</p> <p>Procedure -Dry the test samples in an oven maintained at <math>50 \pm 2^{\circ}\text{C}</math> for at least 24 hours and allow to cool to room temperature in the desiccator before weighing to the nearest 0.1 mg. -Repeat this process until the mass of the samples (mass <math>m_1</math>) is constant within <math>\pm 0.1</math> mg. -Then place the test specimens in a container filled with distilled water maintained at <math>23.0^{\circ}\text{C} \pm 1.0^{\circ}\text{C}</math> or <math>\pm 2.0^{\circ}\text{C}</math>, depending on the relevant specification. -After immersion for 24 hours, remove the test samples from the water and remove all surface water with a clean, dry cloth or filter paper. After removing the test samples from the water, reweigh (mass <math>m_2</math>) to an accuracy of 0.1 mg.</p> <p>Calculation <math display="block">C = \frac{m_2 - m_1}{m_1} \times 100\%</math></p>	%9.77 wt
Tensile Strength	<p>Purpose The purpose of the test is to determine the tensile strength of the sample after curing.</p> <p>Procedure -The sample was properly cured according to company instructions and applied to an easily peelable surface. -After the peeling process was completed, it was placed in the test device. -The tensile strength was measured.</p>	52 N
Tear Strength	<p>Purpose The purpose of the test is to determine the tear strength of the sample after curing.</p> <p>Procedure -The sample was properly cured according to company instructions and applied to an easily peelable surface. -After the peeling process was completed, it was placed in the test device</p>	34 N



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Page 3 / 4



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	-The tear strength was measured.	
<b>Water Imperbeability</b>	Procedure The water imperbeability of the sample was checked using appropriate equipment.	0.5 g/m <sup>2</sup> .mm Hg / 24 hr
<b>Elongation</b>	Procedure The elongation of the sample was checked using appropriate equipment.	120%
<b>Specific Gravity</b>	Procedure The specific gravity of the sample was checked using appropriate equipment.	1.16
<b>Color</b>	Procedure Color evaluation was made by visual inspection.	White
<b>pH Range</b>	Purpose The purpose of the test is to find the pH range of the product.  Procedure The pH range of the sample was measured using appropriate equipment (pH meter) .	10,75
<b>Dry Density</b>	Purpose The purpose of the test is to find the pH range of the product.  Procedure The pH range of the sample was measured using appropriate equipment (pycnometer).	1,16
<b>Drying Time</b>	Purpose The purpose of the test is to find the drying time after the sample has been applied to the surface and the coat has been applied.  Procedure -The sample was prepared according to the company's instructions and left to dry.  -An inspection was made every 30 minutes after the first floor was laid.  -After the second coat was applied, an examination was made every 30 minutes and the drying time was found.	6-8 hour

\*\*\*END OF REPORT\*\*\*



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Page 4 / 4

## BSCCO Aqua Bond

### Description

- Ready-to-use mixture added directly to normal Blaster.
- Acrylic-based material is added to the traditional Blaster to improve the consistency and workability, increase its strength and prevent cracking.
- They are added according to work specifications.

### Advantages

- Additive to sand/cement for concrete patching applications.
- Additive in sand/cement for rendering applications.
- Additive in mortars for tiling over concrete, render, block work and rendered brickwork surfaces.
- Slurry into neat cement for bonding new sand/cement toppings into concrete surfaces.

### Standard compliance

Type	Formulated copolymer emulsion
Colour	White
Density	1.02 kg/l





## **BSCCO AQUA BOND**

❖ **Product:** BSCCO Aqua Bond is a single component Styrene Butadiene Rubber based, bonding agent for cementitious materials. It is a water based, specially formulated to enhance bonding properties as well as improve mechanical strengths of plaster mixes when incorporated with mixing water. Aqua bond also reduces shrinkage cracks during early stages of cement hardening by minimizing surface water loss in fresh applied mixes. Aqua Bond is ideal for use with render and Plaster mixes. Aqua Bond is supplied as ready to use on site without any dilution for desired applications.

### ❖ **Where to use:**

1. Used as admixture with plaster, lime/sand cement screeds and renders.
2. Patching and repair mortar.
3. Used for both internal and external applications.
4. As a bonding bridge for renders.

### ❖ **Technical Details:**

Density @25°C	1.01 Kg/Ltr approx..
Cement compactability	Good
Carrier	Water
pH@25°C	5.5 - 7.5
Solid content	7 – 9%

### ❖ **Features:**

1. Improves adhesion and bonding.
2. Multipurpose usage
3. Improves hydration and curing when added to cement based mixes.
4. Reduces shrinkage and cracking and improves flexibility
5. Improves compression strength and abrasion

### ❖ **Substrate and Surface Preparation:**

The surfaces to be treated should be clean, smooth, sound, properly prepared, and free of moisture, frost, ice, snow, dirt, debris, contaminants, or other conditions that may impair the application and performance of the BSCCO Aqua Bond.

Use a suitable degreaser to remove wax, polish, grease, oil and similar contamination substance prior to the plaster application.

### ❖ **Mixing:**

BSCCO Aqua Bond can be used as total or partial replacement of gauging water required for plaster and render mixes. Add the Aqua Bond to pre- blended sand/cement based plaster, render, mortar or other dry mixes. Mix for 3-4 min using mechanical mixer at low speed. Let the mixer stand for 10 min and mix again briefly to achieve homogeneous lump free mixture.



### ❖ **Application:**

BSCCO Aqua Bond has tendency of soft settlement on storage and therefore it is recommended to mix the material in same container prior to use. Follow the Aqua Bond addition rates as specified by consultant or contractors required for each type of premixed mortar. The Aqua Bond should not be allowed to dry before application of the render or plaster.

### ❖ **Packing:**

BSCCO Roof Liquid is delivered in 20 Kg as liquid product.

### ❖ **Storage:**

BSCCO Aqua Bond can be stored 12 months in the original packaging in a dry shaded place below 25°C.

### ❖ **Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

BSCCO Aqua Bond contains natural water based styrene acrylic, normal salt and filtered water so the product is non-flammable and free of any petroleum derivatives.

This product contains no VOC (Volatile Organic Compound).

### ❖ **Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 017**

**Document Issue Date January 2019**

## BSCCO Aqua Crete 30

### Description

- Ready mix is added to the concrete to improve its properties
- Polymer-based material is added to the concrete mix to improve the consistency and workability, increase its strength and prevent cracking and protection against corrosion and salt attack... est.
- They are added according to work specifications. Key function

### Uses

- Used in general concrete repair works, concrete floor layers and highway flooring.
- And also used as an integral bonding agent and for cement based mixes as tile adhesive, plaster, repair mortars and screeds

### Advantages

- Easy to use
- Zero VOC, environmentally friendly product.
- Improved mechanical properties of the cement mix.
- Good abstraction resistance.
- Improved adhesion to substrates.
- Reduced bleeding.

### Standard compliance

Type	Formulated copolymer emulsion
Colour	White
Density	1.01 kg/l





## **BSCO AQUA CRETE**

### **❖ Product:**

BSCO Aqua Crete is a thermoplastic, urethane fortified clear coating/sealer designed to beautify and protect masonry surfaces, Aqua Crete is easy to use and creates a “weather shield” which stops moisture penetration, prevents spalling and protects masonry for years. This innovative sealer/coating can be applied using a lamb’s wool roller or a Hudson type air sprayer.

### **❖ Use:**

For industrial use where durability and chemical resistance are required and for exterior application where non-yellowing and water resistance properties are essential. For use on interior and exterior concrete, brick, exposed aggregate and masonry walls and floors.

### **❖ Technical Details:**

Density @25°C	1.01 Kg/Ltr approx..
Cement compatibility	Good
Carrier	Water
pH@25°C	7.0 – 8.0
Specific Gravity	Approx. 1.06g/ml

### **❖ Features:**

BSCO Aqua Crete provides the following features:

1. Safe, easy and economical application
2. Quick drying for fast recoating
3. Resistant to most industrial cleaners and degreasers
4. Protects against soil penetration and air pollutants on exterior surfaces.
5. Has excellent abrasion and non-marking properties

### **❖ Substrate and Surface Preparation:**

The surfaces to be treated should be clean, smooth, sound, properly prepared, and free of moisture, frost, ice, snow, dirt, debris, contaminants, or other conditions that may impair the application and performance of the BSCO Aqua Bond.

Use a suitable degreaser to remove wax, polish, grease, oil and similar contamination substance prior to the plaster application.

### **❖ Mixing:**

On permanent type coatings, it is recommended that the surface be abraded with an 80-100-mesh screen back disc. Put down a test patch if there is any question of adhesion. Extremely dense concrete may require etching prior to application. For best results, apply with a lamb’s wool applicator or a low-pressure sprayer (recommended 40 psi) such as a Hudson, airless or power sprayer. Allow 30 minutes to one-hour dry time, depending on conditions, before applying a second coat. A third coat is recommended to ensure protection and higher gloss. The final coat should dry for 6-8 hours before subjecting to heavy traffic.



In plaster or site concrete admixture use 1 volume of BSCO Aqua Crete with 4 volume water and mixed together to use finally as a water mixing and also can be used as concerted admixture without dilution but must be shake the pail before open and use.

In plaster or site concrete admixture use 1 volume of BSCO Aqua Crete with 4 volume water and mixed together to use finally as a water mixing and also can be used as concerted admixture without dilution but must be shake the pail before open and use.

### **❖ Application:**

Aqua Crete is excellent for use on parking decks and produces a satin gloss finish. This urethane fortified masonry sealer can also be applied over existing coatings. The existing surface must have good adhesion without visible signs of delamination. For a higher gloss appearance, 2 or 3 coats of Aqua Crete are recommended. The Aqua Crete should not be allowed to dry before application of the render or plaster.

### **❖ Packing:**

BSCO Aqua Crete is available in 20 Liter containers.

### **❖ Storage:**

BSCO Aqua Crete can be stored 24 months in the original packaging in a dry shaded place below 25°C.

### **❖ Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

The BSCO Aqua Crete contains natural water based styrene acrylic, normal salt and filtered water so the product is non-flammable and free of any petroleum derivatives.

This product contains no VOC (Volatile Organic Compound).

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 017**

**Document Issue Date January 2019**



## BSCO Protection

### Description

- High acrylic Polymer Component made by Nano and German Technology
- To protect the grey or colored plaster, cement artificial or natural stones, cement block wall, AAC block wall, concrete wall and any cement graphic coat against water and humidity applied by spray gun within two layer at least without any additives while second layer must be applied before the first layer to be dried.





## **BSCCO PROTECTION (NANO-PROTECTION)**

### **Product:**

BSCCO PROTECTION is a highly flexible roof protection based on acrylic emulsion. It has an excellent elasticity and water repellent properties.

### **Use:**

BSCCO PROTECTION can be used as a protective coat over concrete, ceramic, cement sand plaster surfaces, artificial cement stones and natural stones.

### **Technical Details**

Theoretical Spreading Rate	0.74m <sup>2</sup> /Ltr
Specific Gravity	1.20 at 25°C
Volume Solid	37% ASTMD2697
Viscosity	3.20 *1000 mPas at 40°C

### **Features:**

BSCCO PROTECTION provides the following features:

1. High water repellent properties
2. Good penetration properties.
3. Excellent adhesion property
4. Easy application by spray guns.
5. Good blocking property.

### **Substrate and Surface Preparation:**

Surfaces to receive roof protection to ensure they are clean, smooth, sound, properly prepared, and free of moisture, frost, ice, snow, dirt, debris, contaminants, or other conditions that may impair the application and performance of the roof protection. Allow area to dry completely before applying the roof protection.



### **Application:**

BSCCO Protection is a high quality matt exterior acrylic emulsion coating for concrete/masonry surfaces with exceptional durability, matt, flow and wet adhesion characteristics. This product has been designed to provide excellent water repellent and durability, and exceptional wet adhesion performance. Application done by spray gun during three-layer sequence without time separation between applied coat i.e., in wet case. Surface temperature required during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place not to exceed 70%.

### **Color and Packing:**

BSCCO PROTECTION before application appears milky white color but after application coming clear coat.

### **Rate of Coverage:**

BSCCO PROTECTION before application appears milky white color but after application coming clear coat.

### **Storage:**

BSCCO Protection can be stored 12 months in the original packaging in a normal indoor environment.

### **Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

This product contains no VOC (Volatile Organic Compound).

### **Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 016**

**Document Issue Date January 2017**

## Description

■ BSCO Marble Chips Glue (BMCG) is a cement-based decorative finish composed of hydraulic binders, selected aggregates and special additives.

### ■ Where to Use

BSCO Marble Chips Glue (BMCG) is finish designed for interior/exterior application. It can be used on plastered, fairfaced concrete surfaces, block walls and pre cast panels.

## Advantages

1. Applied directly by adding water only without another additive to the substrate without using mesh.
2. Factory controlled pre – blend ensures consistent high quality.
3. Provide a variety of finishes using various colors and marble chip types.
4. Thermal insulation heat.
5. Improved workability and curing.
6. Applied exterior and interior with decorative layers.
7. Strong adhesion on variety of substrates .
8. Weather resistant.
9. Suitable for humid and dry conditions.

## Storage

BSCO Marble Chips Glue (BMCG) can be stored 24 months in the original packaging in a normal indoor environment.

Coverage area depend on the nature of Paved surface.

## Technical Details

Type	Pre-Mixed cementitious colored powder
<b>Compressive strength</b>	17 N/mm
<b>Wet density</b>	1.8 Kg/Litre
<b>Flexural strength</b>	6 N/mm
<b>Pot Life</b>	80 minutes

## BSCO Marble Chips Glue



## **BSCO MARBLE CHIPS GLUE (BMCG)**

### **❖ Product:**

BSCO Marble Chips Glue (BMCG) is a cement- based decorative finish composed of hydraulic binders, selected aggregates and special additives.

### **❖ Use:**

BSCO Marble Chips Glue (BMCG) is finish designed for interior/exterior application. It can be used on plastered, fair faced concrete surfaces, block walls and pre cast panels.

### **❖ Technical Details**

Compressive strength	17 N/mm <sup>2</sup>
Wet density	1.8 Kg/Litre
Flexural strength	6 N/mm <sup>2</sup>
Pot Life	80 minutes

### **❖ Advantages:**

1. Applied directly by adding water only without another additive to the substrate without using mesh.
2. Factory controlled pre – blend ensures consistent high quality
3. Provide a variety of finishes using various colors and marble chip types.
4. Thermal insulation heat.
5. Improved workability and curing.
6. Applied exterior and interior with decorative layers.
7. Strong adhesion on variety of substrates.
8. Weather resistant
9. Suitable for humid and dry conditions.

### **❖ Substrate and Surface Preparation:**

Before application of BSCO Marble Chips Glue (BMCG), the masonry surfaces should be clean, dry, cured and free of any dust and debris. Pre-painted substrate must be wire brushed back to the bare substrate. Adequate expansion joints are required to minimize cracking on the surface of the render.

### **❖ Mixing:**

As a cement containing blended powder BSCO Marble Chips Glue (BMCG) must be thoroughly mixed with clean, potable water to a homogeneous slurry prior to application. As the cement cures, the slurry will get thicker with time until it is no longer usable. Mechanical stirrers are recommended for mixing powder into water. Manual mixing is allowed for small batch quantities and mix for approximately 2 – 3 min or when homogeneous mix is achieved. Addition of too much water will result in shrinkage and cracking.



### **❖ Application:**

BSCO Marble Chips Glue (BMCG) can be applied in a single layer or multiple layers on rough or smooth surfaces to desired thickness. For second layer allow the plaster to partially set. Broadcast the wet surface mixture with the marble chips and when the mixture begins to stiffen compress the chips into the surface with a steel or plastic trowel to have homogeneous level with attractive design.

### **❖ Color and Packing:**

BSCO Marble Chips Glue (BMCG)) is available in white and different colors.

BSCO Marble Chips Glue (BMCG) is delivery in 20 Kg. powder in paper bags.

### **❖ Storage:**

BSCO Marble Chips Glue (BMCG) can be stored 24 months in the original packaging in a normal indoor environment.

### **❖ Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

This product contains no VOC (Volatile Organic Compound).

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 020**

**Document Issue Date April 2019**



## Description

BSCO Primer is a water base, clear primer, based on acrylic emulsion resin, with a high penetration property in smooth surfaces which gives the ability to resist moisture and alkalinity.

## Uses

BSCO Primer is used for exterior and interior application on concrete, cement and brick surfaces. It is specially recommended to resist alkali and humidity.

## Characteristics

1. Convenient application.
2. Very good alkaline resistance
3. Very good humidity resistance
4. Resistant to algae and fungus
5. Excellent penetration property
6. Quick dry
7. Excellent adhesion with surfaces and topcoats.

## Storage

12 months in the original packaging in a normal indoor environment.

## BSCO Primer

### Physical Details

Type	Formulated copolymer emulsion
Specific gravity	0.9 ASTM D1475
Viscosity	45KU ASTM D562
Spreading Rate	10.1 – 5.8 m
Volume Solid	18 %
Flash Point	Above 26



17 - 20 KG



## BSCO Primer

Water base primer (indoor - outdoor)



20 - 17 KG



## BSCO PRIMER

### ❖ Product:

BSCO Primer is a water base, clear primer, based on acrylic emulsion resin, with a high penetration property in smooth surfaces which gives the ability to resist moisture and alkalinity.

### ❖ Use:

BSCO Primer is used for exterior and interior application on concrete, cement and brick surfaces. It is specially recommended to resist alkali and humidity.

### ❖ Technical Details

Specific gravity	0.9 ASTM D1475
Viscosity	45KU ASTM D562
Spreading Rate	5.8 – 10.1 m <sup>2</sup> /
Volume Solid	18 %
Flash Point	Above 26°C

### ❖ Advantages:

1. Convenient application.
2. Very good alkaline resistance
3. Very good humidity resistance
4. Resistant to algae and fungus
5. Excellent penetration property
6. Quick dry
7. Excellent adhesion with surfaces and topcoats.

### ❖ Substrate and Surface Preparation:

Before application make sure that the surface is clean, dry, free from dust, oil, grease, salt and mold. Remove old paints completely from previously painted surfaces. The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops. Fill the holes and cracks with BSCO Liquid Putty prior to application of BSCO Primer.

### ❖ Application Guide:

1. The required surface temperatures during application, must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
2. Primer should be stirred carefully before use.
3. Do not apply on wet and moistened surfaces until completely dry.
4. Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be followed.
5. Adequate ventilation should be provided during application



### ❖ Application Methods:

Brush, roller, or spray. Adjust the consistency of the spray. Texture finishes depends on the method of application.

### ❖ Drying Time:

Surface dry	30 minutes
Full dry	1 hour
Recoating interval	2 hours (Minimum).

### ❖ Caution:

Do not add extra water into the mix during application. Mix only that amount which can be used within the pot life.

### ❖ Storage:

BSCO Primer can be stored 12 months in the original packaging in a normal indoor environment.

### ❖ Health and Safety:

BSCO Primer components are non-flammable. Goggles and mask should be worn while handling. Contact with eye and skin should be avoided. In case of contact should be immediately washed with water before drying.

### ❖ Warning:

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 017**

**Document Issue Date April 2019**



## Description

BSCCO Liquid Putty is a high quality water borne putty, based on special acrylic polymer, designed to provide leveled surface.

## Uses

Used for leveling and smoothing of all interior surfaces including concrete surfaces, pillars and interior plastered surfaces for walls and ceilings.

## Characteristics

1. Easily fill the air pockets on concrete surface.
2. Gives good leveling for all interior surfaces.
3. Helps to repair cracks and holes.
4. Easy to apply and sanding

## Storage

12 months in the original packaging in a normal indoor environment.

## Physical Details

Type	Formulated copolymer emulsion
Specific gravity	1,7 ASTM D1475
Colour	White
Thickness	1 – 2mm
Dry Density	About 1,4 Kg/Liter
Pot Life	5 - 4 minutes @20+ <sup>0</sup> C

## BSCCO Putty



17 - 20 KG



## BSCO Putty

Multi purpose uses putty



20 - 17 KG



## **BSCO LIQUID PUTTY (BLP)**

### **❖ Product:**

BSCO Liquid Putty is a high quality water borne putty, based on special acrylic polymer, designed to provide leveled surface.

### **❖ Use:**

Used for leveling and smoothing of all interior surfaces including concrete surfaces, pillars and interior plastered surfaces for walls and ceilings.

### **❖ Technical Details**

Specific gravity	1.7 ASTM D1475
Color	White
Thickness	1 – 2mm
Dry Density	About 1.4 Kg/Liter
Pot Life	4 – 5 minutes @+20°C

### **❖ Advantages:**

1. Easily fill the air pockets on concrete surface.
2. Gives good leveling for all interior surfaces.
3. Helps to repair cracks and holes.
4. Easy to apply and sanding

### **❖ Substrate and Surface Preparation:**

Make sure that the surface is clean, dry, free from dust, oil, grease, salt and mold. Remove old paints completely from previously painted surfaces. The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.

### **❖ Application Guide:**

1. The required surface temperatures during application, must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
2. Liquid Putty should be stirred carefully before use.
3. Do not apply on wet and moistened surfaces until completely dry.
4. Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be followed.
5. Adequate ventilation should be provided during application.



### **❖ Application:**

BSCO Liquid Putty is ideal for filling small surface imperfections such as pinholes, sanding marks and shallow dents. It provides an ultra-smooth finish. Its tack free formula enables easy sanding without abrasive paper clogging. BSCO Liquid Putty minimizes the adhesion of contaminants to the base/clear coat. Less primer is required with BSCO Liquid Putty; it saves sanding time and reduce the need to refinish.

### **❖ Drying Time:**

Approximately 30 – 40 minutes at a room temperature of +20°C.

### **❖ Caution:**

Do not add extra water into the mix during application. Mix only that amount which can be used within the pot life.

### **❖ Storage:**

BSCO Liquid Putty can be stored 12 months in the original packaging in a normal indoor environment.

### **❖ Health and Safety:**

BSCO Liquid Putty components are non-flammable. Goggles and mask should be worn while handling. Contact with eye and skin should be avoided. In case of contact should be immediately washed with water before drying.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 018**

**Document Issue Date April 2019**



## BSCO Top Coat

### Description

BSCO Top Coat is a high quality acrylic copolymer based emulsion paint with outstanding washability, hiding power and colour retention properties. It has a good flow and gives a smooth, durable flat finish.

### Uses

Ideal for decorating and protecting interior surfaces including concrete surfaces, cement plastered surfaces, stucco filler, gypsum boards, asbestos cement sheeting and rendered block work..

### Characteristics

1. Provides smooth durable and washable matt finish.
2. Offers good antibacterial and colour retention properties.
3. Free from harmful chemicals like APEO, formaldehyde and heavy metals etc.
4. Easy to apply.
- 5 Approximately 10 hours at a room temperature of 200+C.

### Storage

12 months in the original packaging in a normal indoor environment.

### Physical Details

Type	Formulated copolymer emulsion
Specific gravity	1.57 ASTM D1475
Colour	White
Dry film Thickness	60 – 35um
Thinner	Water
Spreading Rate	Depends on film thickness applied



17 - 20 KG





## BSCO Top Coat

High quality emulsion acrylic paint



20 - 17 KG



## **BSCCO TOP COAT (BTC)**

### **❖ Product:**

BSCCO Top Coat is a high quality acrylic copolymer based emulsion paint with outstanding wash ability, hiding power and color retention properties. It has a good flow and gives a smooth, durable flat finish.

### **❖ Use:**

Ideal for decorating and protecting interior surfaces including concrete surfaces, cement plastered surfaces, stucco filler, gypsum boards, asbestos cement sheeting and rendered block work

### **❖ Technical Details**

Specific gravity	1.57 ASTM D1475
Color	White
Dry film Thickness	35 – 60mm
Thinner	Water
Spreading Rate	Depends on film thickness applied

### **❖ Advantages:**

1. Provides smooth durable and washable matt finish.
2. Offers good antibacterial and color retention properties.
3. Free from harmful chemicals like APEO, formaldehyde and heavy metals etc.
4. Easy to apply.

### **❖ Substrate and Surface Preparation:**

Make sure that the surface is clean, dry, free from dust, oil, grease, salt and mold. Remove old paints completely from previously painted surfaces. The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.

### **❖ Application Guide:**

1. The required surface temperatures during application, must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
2. BSCCO Top Coat should be stirred carefully before use.
3. Do not apply on wet and moistened surfaces until completely dry.
4. Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be followed.
5. Adequate ventilation should be provided during application.



### **❖ Application:**

BSCCO Top Coat is ideal for decorating and protecting interior surfaces. It provides an ultra-smooth finish. Apply Top Coat up to two layers' perpendicular with regular intervals by brush or roller after treatments of any joints or cracks.

### **❖ Drying Time:**

Approximately 10 hours at a room temperature of +20°C.

### **❖ Caution:**

Do not add extra water into the mix during application. Mix only that amount which can be used within the pot life.

### **❖ Storage:**

BSCCO Top Coat can be stored 12 months in the original packaging in a normal indoor environment.

### **❖ Health and Safety:**

BSCCO Top Coat components are non-flammable. Goggles and mask should be worn while handling. Contact with eye and skin should be avoided. In case of contact should be immediately washed with water before drying.

### **❖ Warning:**

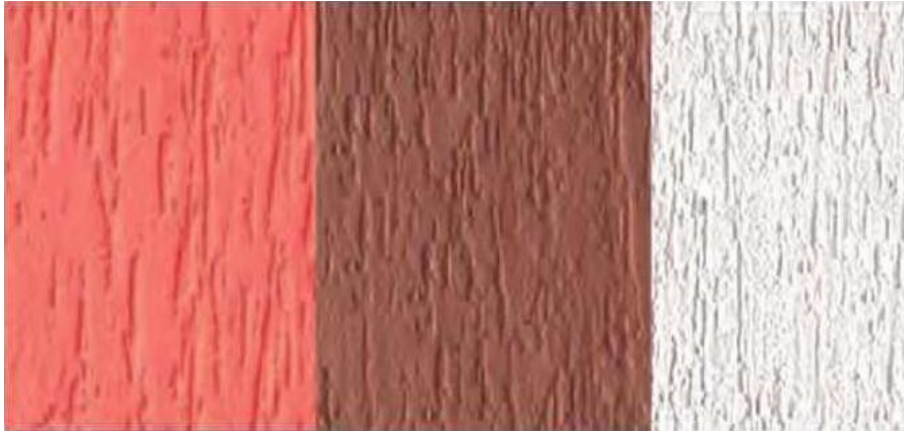
The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 019**

**Document Issue Date April 2019**



## BSCO GRAPHIC ACRYLIC PASTE



## BSCO GRAPHIC ACRYLIC PASTE

### ❖ Product:

BSCO GRAPHIC ACRYLIC PASTE (BGAP) is a high quality top single coat produced with high smooth texture appearance, based on acrylic emulsion. It gives strong, homogenous and attractive finish with long furrows lines to provide a beautiful decorative finish.

### ❖ Use:

BGAP can be applied exterior and interior on concrete, cement and brick surfaces and also residential, commercial and industrial buildings.

### ❖ Technical Details

Specific gravity	1.57 ASTM D1475
Color	White
Dry film Thickness	35 – 60mm
Thinner	Water
Spreading Rate	Depends on film thickness applied

### ❖ Application Method:

- The required temperature during application, must not be less than 5°C; the surface moisture should not exceed 8% and the relative humidity at work place should not exceed 70%.
- Do not apply on wet and moistened surfaces until completely dry.
- Paint should be stirred carefully before use.
- A suitable quantity of "Tap water" can be added to get reasonable viscosity for application.
- Do not apply the next coat unless the previous one is fully dry. Minimum recoating interval time should be followed.
- Avoid application in windy, rainy weather and high temperatures, as well as under direct sunlight.



### ❖ Painting Method:

- Apply one coat of "BGAP" by steel trowel.
- Make the required design by plastic trowel; clean the trowel during application with a water-saturated sponge.
- Smooth the surface and make it uniform by plastic trowel to get the desired beautiful and uniform appearance (if required).

### Notes:

- "BGAP" should be applied by professional painter to get the desired design and spreading rate.
- During application sufficient pressure should be by trowel for strong adhesion.
- For any circular shapes of surfaces, more attention shall be given during application.

### ❖ Packing:

Available in 25 and 30 Kg pails.

### ❖ Shelf Life & Storage:

Shelf life: 12 months @25°C.

Storage: The container should be kept in sealed, dry, cool, well-ventilated place and stored in accordance with national regulations.

Product Code Number 092

Document Issue Date MAY 2024



## BSCO CERAFIX & PROJECT- C1

Ceramic adhesive For ( wall - floor )



**Floor**



**Wall**



**Floor**



50 KG

20 KG



## **BSCO CERAFIX**

### **❖ Product:**

BSCO CERAFIX is a cementitious mortar adhesive composed of hydraulic binders, selected aggregates, and special additives. It is supplied as a dry powder in 20 Kg bags ready to use on-site, which requires only the addition of clean water to produce easily workable mortar. BSCO CERAFIX is ideal for Ceramic Tiles.

### **❖ Use:**

BSCO CERAFIX can be used for fixing ceramic tiles.

### **❖ Technical Details**

Water requirement	5 to 5.5 liters. per 20 kg
Open time	30 minutes
Coverage	20 kg cover 5m <sup>2</sup> using 3mm notched trowel
Compressive strength	0.75 N/MM <sup>2</sup>
Pot life	3 hours
Final set	24 hours

### **❖ Advantages:**

1. Resist bad weather conditions.
2. Easy tile installation.
3. High quality materials.
4. Slip resistance.
5. Suitable for indoor applications.
6. For wall and floor ceramic tile fixing
7. BSCO CERAFIX compliances SASO ISO 13007-1:C1T standard.

### **❖ Substrate and Surface Preparation:**

The substrate must be sound, clean, and free from loose coatings, grease, oil or wax and water free, as a damp or wet substrate will affect the set time on bond or both.

### **❖ Mixing the Adhesive:**

Mix with a mechanical stirrer by adding BSCO CERAFIX to the mixing water until a smooth lump free paste is obtained. Leave to rest and mature for a minute and re-stir. Use about 5 to 5.5 liters of water to each 20 kg of BSCO CERAFIX powder to obtain the required consistency.

### **❖ Application:**

BSCO CERAFIX is applied to substrate using a notched trowel. To achieve optimum results spread a layer of BSCO CERAFIX on the substrate with the flat side of trowel then immediately after apply the desired thickness using a suitable notched trowel with correct depth of notch for the type and size of tile being laid.



### **❖ Traffic:**

Light foot traffic can be accepted after 14 hours at medium temperatures. Cold temperature of less than 10°C will require 24 hours before exposure to any foot traffic.

### **❖ Coverage:**

Coverage will depend on the substrate conditions and applicator technique. As a guide the use of a 3mm notched trowel for walls and a 3mm notched trowel for floors will provide approximately 5M<sup>2</sup> from 20kg of BSCO CERAFIX.

### **❖ Cleaning:**

Tools and surfaces should be cleaned with water or damp cloth before the adhesive sets.

### **❖ Storage:**

BSCO CERAFIX can be stored 24 months in the original packaging in a normal indoor environment.

### **❖ Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet. This product contains no VOC (Volatile Organic Compound).

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

### **❖ Fire:**

BSCO CERAFIX is non-flammable

**Product Code Number 019**

**Document Issue Date April 2019**



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Saudi Specialized Laboratories Co

TEST REPORT						
PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE						
SASO ISO 13007-1 /SASO ISO 13007-2						
Customer	Bilateral Specialized Co (BSCO) For Industry		Sample Description	BSCO CERAFIX		
Project Name	Internal Quality Check		Sample Source	Bilateral Specialized Co (BSCO) For Industry		
Project No.	NP		Sampling Method	NP		
Location	Riyadh, KSA		Sampling Date	NP		
Contractor	NP		Sampled by	Customer		
Consultant	NP		Customer Identification	NP		
CBML Project No.	CBMP-0497-19		Date Received	17-May-23		
CBML Sample No.	CBM-170521-001		Sample Condition	Normal		
CBML Report No.	CBMR-21-01134		Environmental Condition	25 °C		
Date of Report	23-Jun-23		Date of Test	17-Jun-23		
Source Of Material	Bilateral Specialized Co (BSCO) For Industry		Sampled Location	Riyadh K.S.A		
Productin Date	NP		Casting / Application date	20-May-23		
Type Of Substrate	Concrete Panel		Age at test days	28		
Date of Test	17-Jun-23		Required test age	28		Days
TEST RESULTS						
TENSILE ADHESION STRENGTH (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and Condition	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
1	2980	2500	1.19	AF-T	Normal Condition at 28 days	>0.5 N/mm <sup>2</sup>
2	3050	2500	1.22	AF-T		
3	2790	2500	1.12	AF-T		
4	3060	2500	1.22	AF-T		
5	2890	2500	1.16	AF-T		
Average			1.18			
TENSILE ADHESION STRENGTH AFTER WATER IMMERSION (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
1	2750	2500	1.10	AF-T	Normal Condition at 07 days and 21 days in water immersion at (23 ± 2) °C	>0.5 N/mm <sup>2</sup>
2	2690	2500	1.08	AF-T		
3	2970	2500	1.19	AF-T		
4	2550	2500	1.02	AF-T		
5	2790	2500	1.12	AF-T		
Average			1.10			

شركة مساهمة مقفلة برأس مال: 500,000,000 ر.س ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000

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Membership No. : 174400 C.R. No. : 1010225110



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TEST REPORT						
PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE						
SASO ISO 13007-1 /SASO ISO 13007-2						
Customer	Bilateral Specialized Co (BSCO) For Industry			Sample Description	BSCO CERAFIX	
TENSILE ADHESION STRENGTH AFTER HEATAGEING (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
1	2995	2500	1.20	AF-T	Normal Condition at 14 days and Heat ageing (70 ± 3) 14 days	>0.5 N/mm <sup>2</sup>
2	2690	2500	1.08	AF-T		
3	3052	2500	1.22	AF-T		
4	2925	2500	1.17	AF-T		
5	2985	2500	1.19	AF-T		
Average	1.17					
TENSILE ADHESION STRENGTH AFTER FREEZE THAW CYCLE (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
1	2730	2500	1.09	AF-T	standard conditions for 07 days and immerse in water for 21 days before carrying out 25 freeze-thaw cycles. lower the temperature to (-15 ± 3) °C within 2 h ± 20 min.	>0.5 N/mm <sup>2</sup>
2	2665	2500	1.07	AF-T		
3	2945	2500	1.18	AF-T		
4	2560	2500	1.02	AF-T		
5	2785	2500	1.11	AF-T		
Average	1.09					
OPEN TIME: ADHESION STRENGTH (SASO ISO 13007-2)						
Time Minutes	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duratin and/Or Condition	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
5	3055	2500	1.22	AF-T	28 days at normal condition 23°C	>0.5 N/mm <sup>2</sup>
10	3050	2500	1.22	AF-T		
15	2989	2500	1.20	AF-T		
30	2965	2500	1.19	AF-T		
40	2650	2500	0.98	AF-T		
60	1780	2500	0.48	AF-T		
80	1350	2500	0.21	AF-T		
100	950	2500	0.09	AF-T		
120	940	2500	0.03	AF-T		
Mean Value	0.98					
Open Time	60 min					
FLEXURAL STRENGTH (SASO ISO 13007-4)						
Test Parameter	Test Age (Days)	1	2	3	Average	Specification Requirement SASO ISO 13007-Normal cementitious adhesives
Maximum Load at Failure (N)	28	1498	1594	1735	1609	
Flexural Strength (N/mm <sup>2</sup> )	28	3.5	3.7	4.1	3.8	

شركة مساهمة مغلقة برأس مال: ٥٠٠,٠٠٠,٠٠٠ ريال ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000






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الشركة السعودية للمختبرات الخاصة  
Saudi Specialized Laboratories Co.

**TEST REPORT**  
**PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE**  
SASO ISO 13007-1 /SASO ISO 13007-2

Customer	Bilateral Specialized Co (BSCO) For Industry		Sample Description	BSCO CERAFIX				
<b>COMPRESSIVE STRENGTH (SASO ISO 13007-4)</b>								
Test Parameter	Test Age (Days)	1	2	3	4	5	Average	Specifecation Requirement SASO ISO 13007-Normal cementitious adhesives
Maximum Load at Failure (N)	28	1575	1485	1521	1579	1595	1551	-
Compressive Strength (MPa)	28	9.8	9.3	9.5	9.9	10.0	10	-
Tested by	EHSQ							
Test Variation	NIL							
Remark	Test standards were request by customer.							

  
 AUTHORIZED SIGNATORY

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Saudi Specialized Laboratories Co.  
مختبر فحص مواد التشييد و البناء  
الرياض  
CONSTRUCTION & BUILDING MATERIALS  
TESTING LABORATORY - RIYADH  
CR No: 1010225110

CBMR-052 Rev. 0  
Result related to the items tested  
This test report shall not be reported except in full, without the written approval of the laboratory.

شركة مساهمة مقفلة برأس مال : ٥٠٠,٠٠٠,٠٠٠ ريال ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000

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الرقم الموحد : ٩٢٠٠٢٩٢٩٣

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Membership No. : 174400 C.R. No. : 1010225110



## **BSCO CERAFIX SAFETY DATA SHEET & SPECIFICATION**

### **1. INFORMATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING**

1.1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION : BSCO CERAFIX

1.2 NAME : BSCO CERAFIX

1.3 COMPANY UNDERTAKING /  
COMPANY IDENTIFICATION

BILATERAL SPECIALIZED  
POBox: 251102168  
East Area, Hafar Al Batin - SAUDI ARABIA

1.4 EMERGENCY TELEPHONE NUMBERS

0096550022044 / 0096655141553

### **2. COMPOSITION INFORMATION & Specification**

2.1 COMPOSITION	Filler. (Graduated sandstone 100 mic – 1mm.)	12%
	Binder (Portland Cement) fineness 90 mic. Purity 64% of cao	30%
	Fine Sand	53%
	Dispersion Agent	3%
	thickening agent	2%

2.2 Specifications:

- Bulk Density (1.85 kg / liter minimum ) ( DIN 18555 part 2)
- Compressive strength 91.5 kg / cm<sup>2</sup> minimum DIN1164
- Air entrainment: 22.9% minimum (DIN 18555)
- Workability 14 kg / cm<sup>2</sup> according to DIN18555

2.2 HAZARDOUS INGRDIENTS

NON HAZARDOUS SO NOT APPLICABLE

2.3 CLASSIFICATION / SYMBOL

### **3. HAZARDOUS IDENTIFICATION**

NON HAZARDOUS

### **4. FIRST AID MEASURES**

EYE CONTACT : Rinse with plenty of water, In case of irritation seek medical advise

SKIN CONTACT : Wash with Water

INHALATION: Move the person to Fresh Air, In case of Indisposition seek medical advise

INGESTION: Symptomatic Treatment, In case of Indisposition seek medical advise

### **5. FIRE FIGHTING MEASURES**

NON FLAMMABLE MATERIAL THEREFORE NOT APPLICABLE



<b>6. HANDLING AND STORAGE</b>	
6.1 HANDLING :	The usual precaution for the handling plastering material should be observed
6.2 STORAGE:	Store in the tightly closed packing
<b>7. EXPOSURE CONTROL / PERSONAL PROTECTION:</b>	
7.1 RESPIRATORY PROTECTION:	Wear Dust Mask
7.2 EYE CONTACT:	Wear Normal safety goggles
7.3 HAND PROTECTION:	N/A
7.4 SKIN PROTECTION:	N/A
<b>8. PHYSICAL / CHEMICAL PROPERTIES</b>	
8.1 FORM -	POWDER
8.2 COLOR -	Different colors
8.3 ODOUR -	ODOURLESS
8.4 BOILING POINT -	NOT APPLICABLE
8.5 FLASH POINT -	N/A
8.6 FLAMABILITY -	Non – Flammable
8.7 AUTO FLAMMABILITY -	N/A
8.8 EXPLOSIVE PROPERTIES -	Not Explosive
<b>9. STABILITY AND REACTABILITY</b>	
9.1 CONDITIONS TO AVOID:	NONE RECOMMENDED
9.2 MATERIAL TO AVOID :	AVOID CONTACT WITH ACIDS
9.3 HAZARDOUS DECOMPOSITION:	N/A
<b>10. TOXICOLOGICAL INFORMATION</b>	
10. ACUTE ORAL TOXICITY	NON TOXIN
<b>11. ECOLOGICAL INFORMATION</b>	
In its solid state silica sand is a natural mineral of the earth. In its dissolved state the substance is a Natural and indispensable component of natural water. So there will be no unfavorable effects to the environment.	



## BSCO Repeir

Multipurpose repairing and cracks filling material



20 KG





## **BSCO REPAIR**

### **❖ Product:**

BSCO REPAIR is manufactured by BSCO an ISO & SASO Certified company. BSCO REPAIR is a 2-component, 100% solids, moisture – tolerant, low – viscosity, high – strength, multi – purpose, epoxy resin adhesive. It conforms to the current ASTM C – 881.

### **❖ Use:**

1. Gravity – feed of cracks in horizontal concrete and masonry.
2. Low pressure injection of cracks in structural concrete, masonry, wood, etc.

### **❖ Technical Details**

Water requirement	Nil
Mixing Ratio	Component A : Component B = 1 : 1.5
Water Absorption	0.27% (7 Days)
Viscosity	375 cps Approximately
Pot life	25 minutes Approximately (60g mass)

### **❖ Advantages:**

1. Formulation identical to popular, high strength.
2. Five times stronger than concrete.
3. Convenient easy to use, single tube cartridge – fits standard caulk guns.
4. Deep, penetrating and tenacious bonding of cracks in Structural concrete.

### **❖ Mixing the Adhesive:**

For applying BSCO REPAIR mixing, add to mixing container Component A (Liquid) and Component B (powder) in 1: 1.5. Add the powder to the water and mix with a mechanical plaster mixer or mechanical stirrer fitted with a suitable paddle for 3 – 4 minutes, until a uniform, lump – free fluid consistency is achieved.

### **❖ Application:**

To gravity feed cracks and inject cracks – blow vie-notched crack clean with oil-free compressed air. Dispense BSCO REPAIR slowly into vie-notched crack. Continue placement until completely filled. Seal underside of slab prior to filling if cracks reflect through.

### **❖ Traffic:**

Light foot traffic can be accepted after 6 hours at medium temperatures. Cold temperature of less than 10°C will require 48 hours before exposure to any foot traffic.

### **❖ Limitations:**

1. Minimum substrate and ambient temperature 40°F (4°C). Maximum substrate temperature is 95°F (35°C).
2. Minimum age of concrete must be 21 – 28 days, depending on curing and drying conditions.
3. Do not apply over wet, glistening surface.
4. Not for injection of cracks subjected to osmotic or hydrostatic pressure during application.
5. Do not inject cracks greater than ¼ in. (6.3mm)
6. Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure.

### **❖ Storage:**

BSCO REPAIR can be stored 12 months in the original packaging in a normal indoor environment.

### **❖ Package:**

Packed in pail as 2 components.

Component A – Liquid – 8 kg

Component B – Powder – 12 kg

### **❖ Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user are shall be fully responsible for the consequences of any misuse

### **❖ Fire:**

BSCO REPAIR is non-flammable

**Product Code Number 045**

**Document Issue Date April 2021**



# Germantech



## Germantech (Indoor/outdoor decoration)

- Goodbye to breaking marble and pads that rust with moisture.
- Goodbye to internal and external paints.
- Goodbye to applying the paste to the plaster, and it is sufficient to apply the base only before the German spray.
- Goodbye to the effect of moisture on the paints as the German spray is characterized by its resistance to moisture and water.
- It is applied in its attractive colors internally, either by spraying or using a trowel
- It can be applied on concrete, cement, metal, plastic and wood surfaces.
- It can be filled with hollow decorative shapes and get attractive shapes and colors for room ceilings.
- It is applied externally in its many beautiful heritage colors
- Easy to apply with thicknesses from 2 mm to 3 mm.
- Insulating water, moisture and heat.
- Resistant to ultraviolet rays.
- Fast completion time as it is ready for use directly.



### Method of application

Clean the surface well prior to application  
Water-based primer application is preferred  
It is applied using a spray gun or a flat trowel  
with a thickness not exceeding 3 mm

### Coverage rate

between 8 square meters and 12 square meters  
depending on the leveling of substrate each 25 kg package





## **BSCO GERMANTECH**

### **❖ Product:**

BSCO GERMANTECH Texture Coating is a unique blend of flexible materials for restoring the textured finish on bumpers, dashes, fiberglass tops and other plastic parts prior to painting.

### **❖ Use:**

- Plastic
- Concrete
- Cement
- Metal
- Wood
- surface

### **❖ Technical Details**

Specific gravity	1.67 +/- 0.05
Color	Multi-color
Flow table	20 cm
Dry Density	About 1.6 Kg/Liter
Drying Time	6-8 Hrs. for the first coat 12 Hours for the second coat

### **❖ Advantages:**

Duplicates original textures.

Ready to spray.

Quick drying.

Topcoat with most refinish materials.

Insulating water, moisture, heat & ultraviolet rays & fast completion time.

### **❖ Surface Preparation:**

Make sure that the surface is clean, dry, and free from dust, oil, grease, salt and mold. Remove old paints completely from previously painted surfaces. The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.

### **❖ Application Guide:**

BSCO GERMANTECH Textures ranging from a very fine, almost undetectable pattern to a heavy or wavy effect can be achieved simply by altering the distance from the surface sprayed or by changing the speed of application. When applied with a spray gun or with trowels, texture may also be altered by air pressure or fluid tip size. Apply adequate coats to achieve desired texture. Allow proper flash times to avoid losing texture. Also when applying texture, never pull or release the trigger or valve over the surface being textured. This can result in an inconsistent texture varying the look of your work. Once the texture is dry to touch, lightly sand area with a gray scuff pad or 400 grit sandpaper to achieve a uniform texture. Blow off dust and clean with Plastic & Leather Prep. Texture Coating is compatible under most top coats, but for best results, use Color Coat or Bumper Coater.

### **❖ Packing:**

Available in 20 and 25 Kg pails.

### **❖ Caution:**

- Do not mix, thin or dilute the BSCO GERMANTECH product with water or other materials.
- Do not allow the product to freeze. If frozen, the texture will be obviously different. Discard it.
- Do not store at temperatures above 105oF (40°C) for extended periods of time.
- Do not expose the product to rain, snow, dew or extreme humidity until a top coat is applied.

### **❖ Storage:**

Protect from frost and secure lid firmly to prevent paint from drying out.

### **❖ Health and Safety:**

BSCO GERMANTECH components are non-flammable. Goggles and mask should be worn while handling. Contact with eye and skin should be avoided. In case of contact should be immediately washed with water before drying.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 023**

**Document Issue Date April 2019**



## BSCO PROOF

Blue Mark



## **BSCO PROOF (ACRYLIC ROOF COATING)**

### **❖ Product:**

BSCO PROOF is a water based products based on a 100% pure acrylic formula with lasting flexibility and water proofing properties. It lets out water and moisture for optimized weather protection. BSCO Proof helps to resist water by 100% and resist High Temperature up to 40%.

### **❖ Use:**

Used for leveling and smoothing of all interior surfaces including concrete surfaces, pillars and interior plastered surfaces for walls and ceilings.

### **❖ Technical Details**

Specific gravity	1.7 ASTM D1475
Color	White
Coverage	6-8 Square Meter /Liter
Dry Density	About 1.4 Kg/Liter
Drying Time	6-8 Hrs. for the first coat 12 Hours for the second coat

### **❖ Advantages:**

1. High temperature resistance and water proof.
2. Reflects maximum UV and Infrared rays.
3. High SRI value > 122.
4. Micro Fiber Reinforced waterproofing
5. Save electrical energy & THERMAL INSULATION up to 40%.

### **❖ Surface Preparation:**

Make sure that the surface is clean, dry, and free from dust, oil, grease, salt and mold. Remove old paints completely from previously painted surfaces. The substrate should have sufficient strength and free from unsounded areas, pug holes, protrusions and pops.

### **❖ Application Guide:**

1. Open the bucket.
2. Add water 20% if you required and stir it thoroughly.
3. Clean the roof surface and remove the dirt completely.
4. Apply the first coat by brush or roller.
5. Wait for 6-8 hours.
6. Apply second coat.
7. After 12 hours, Roof is ready.

### **❖ Packing:**

Available in 20 and 4 Kg pails.

### **❖ Caution:**

Do not add extra water into the mix during application. Mix only that amount which can be used within the pot life.

### **❖ Storage:**

Protect from frost and secure lid firmly to prevent paint from drying out.

### **❖ Health and Safety:**

BSCO PROOF components are non-flammable. Goggles and mask should be worn while handling. Contact with eye and skin should be avoided. In case of contact should be immediately washed with water before drying.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 021**

**Document Issue Date April 2019**





# BSCO FOAM FIX

Multipurpose Foam Fix





TEST/MUAYENE RAPORU

EUROLAB LABORATUVAR HİZMETLERİ  
TÜRCERT TEKNİK KONTROL VE BELGELENDİRME A.Ş.



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2021083118



Report No : 2021083118  
Applicant: BILATERAL SPECIALIZED COMPANY FOR INDUSTRY (BSCO)  
Contact Person : -  
Contact Telephone: 00966-551415553  
Contact e-mail: ghannamhms1@gmail.com  
Sample Accepted on: 11.08.2021  
Report Date: 31.08.2021  
Total number of pages: 4 (Pg)  
Sample ID: BSCO PROOF BLUE 1 COMPONENT (Waterproof insulation)

	TEST	METHOD	RESULTS
*	Water Absorption	INHOUSE	See Table
*	Tensile Strength		
*	Tear Strength		
*	Water Impermeability		
*	Elongation		
*	Specific Gravity		
*	Color		
*	pH Range		
*	Dry Density		
*	Drying Time		



Seal

*K. rvefi*

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Environment

The requirements and standards apply to equipment intended for use in

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment



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Page 2 / 4



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Product Name :BSCO ROOF BLUE 1 COMPONENT (Waterproof insulation)		
Test Name	Remark	Result
Water Absorption	<p><b>Purpose</b> The purpose of the test is to express the water absorption rate of the sample as a percentage (%) under specified conditions.</p> <p><b>Procedure</b> -Dry the test samples in an oven maintained at <math>50 \pm 2^{\circ}\text{C}</math> for at least 24 hours and allow to cool to room temperature in the desiccator before weighing to the nearest 0.1 mg. -Repeat this process until the mass of the samples (mass <math>m_1</math>) is constant within <math>\pm 0.1</math> mg. -Then place the test specimens in a container filled with distilled water maintained at <math>23.0^{\circ}\text{C} \pm 1.0^{\circ}\text{C}</math> or <math>\pm 2.0^{\circ}\text{C}</math>, depending on the relevant specification. -After immersion for 24 hours, remove the test samples from the water and remove all surface water with a clean, dry cloth or filter paper. After removing the test samples from the water, reweigh (mass <math>m_2</math>) to an accuracy of 0.1 mg.</p> <p><b>Calculation</b> <math display="block">C = \frac{m_2 - m_1}{m_1} \times 100\%</math></p>	%0.1
Tensile Strength	<p><b>Purpose</b> The purpose of the test is to determine the tensile strength of the sample after curing.</p> <p><b>Procedure</b> -The sample was properly cured according to company instructions and applied to an easily peelable surface. -After the peeling process was completed, it was placed in the test device. -The tensile strength was measured.</p>	60 N
Tear Strength	<p><b>Purpose</b> The purpose of the test is to determine the tear strength of the sample after curing.</p> <p><b>Procedure</b> -The sample was properly cured according to company instructions and applied to an easily peelable surface. -After the peeling process was completed, it was placed in the test device.</p>	35.2 N



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Page 3 / 4





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	-The tear strength was measured.	
<b>Water Imperbeability</b>	Procedure The water imperbeability of the sample was checked using appropriate equipment.	0.3 g/m <sup>2</sup> .mm Hg / 24 hr
<b>Elongation</b>	Procedure The elongation of the sample was checked using appropriate equipment.	143%
<b>Specific Gravity</b>	Procedure The specific gravity of the sample was checked using appropriate equipment.	1.22
<b>Color</b>	Procedure Color evaluation was made by visual inspection.	White
<b>pH Range</b>	Purpose The purpose of the test is to find the pH range of the product. Procedure The pH range of the sample was measured using appropriate equipment (pH meter) .	11,5
<b>Dry Density</b>	Purpose The purpose of the test is to find the pH range of the product. Procedure The pH range of the sample was measured using appropriate equipment (pycnometer).	1,22
<b>Drying Time</b>	Purpose The purpose of the test is to find the drying time after the sample has been applied to the surface and the coat has been applied. Procedure -The sample was prepared according to the company's instructions and left to dry. -An inspection was made every 30 minutes after the first floor was laid. -After the second coat was applied, an examination was made every 30 minutes and the drying time was found.	3-5 hour

\*\*\*END OF REPORT\*\*\*



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Page 4 / 4



## **BSCO FOAMFIX**

### **❖ Product:**

BSCO FOAM FIX is manufactured by BSCO an ISO & SASO Certified company. BSCO FOAM FIX is a ready cementitious mortar reinforced with polymer ingredients. Based on Portland grey cement, aggregates of selected grading and special additives, offers strong adhesion of thermal insulation boards.

### **❖ Use:**

BSCO FOAM FIX can be used in thermal insulation boards made of extruded or expanded polystyrene or mineral wool, exterior and interior surface of buildings and to substrates such as concrete, bricks, plaster, stone, aerated concrete etc.

### **❖ Technical Details**

Water requirement	5 liters. per 20 kg
Open time	30 minutes
Coverage	20 kg cover 5m <sup>2</sup> using 3mm notched trowel
Bond strength	1.55 N/MM <sup>2</sup>
Pot life	6 hours
Final set	48 hours

### **❖ Advantages:**

1. Excellent adhesion to the surfaces of thermal insulation boards.
2. High Mechanical strength
3. Flexibility.
4. Durability overtime
5. High resistance to changes in temperature between heat and cold.
6. Easy to apply.

### **❖ Mixing the Adhesive:**

For applying BSCO FOAM FIX mixing, add to the mixing container 5 liters of water for each 20 KG bag of BSCO FOAM FIX. Add the powder to the water and mix with a mechanical plaster mixer or mechanical stirrer fitted with a suitable paddle for 3 - 4 minutes, until a uniform, lump-free fluid consistency is achieved.

### **❖ Application:**

- Check and prepare the application surface. Make sure that it is clean without dust or loose materials etc.
- Mix the content of 20 kg bag with 5 liter of water, using electric mixer until a homogeneous, lump free mixture is obtained.
- Leave the mixture to set for five to 10 minutes and stir again
- Apply BSCO FOAM FIX all over the surface of the insulation board to a thickness of 2-3mm
- Attach the boards starting from the bottom of the masonry crossways without gaps.
- You can use the mixture within 2-4 hours, depending on the ambient temperature and time period.

### **❖ Application curing:**

BSCO FOAM FIX is a self-curing product. Protect the applied material from environmental agents such as wind, direct sunlight, dirt, and dust exposure for at least the first 2 hours to ensure smooth leveled hard surfaces.

### **❖ Traffic:**

Light foot traffic can be accepted after 6 hours at medium temperatures. Cold temperature of less than 10°C will require 48 hours before exposure to any foot traffic.

### **❖ Limitations:**

Do not mix with any additives or products, unless recommended by BSCO. Mixing water should be clean and its temperature between 20 - 35°C. Also application must be in a temperature in between 5°C to 35°C Make sure the substrate is suitable for the underlayment application. In case of doubt, try on the sample area to assess its suitability.

### **❖ Storage:**

BSCO FOAM FIX can be stored 12 months in the original packaging in a normal indoor environment.

### **❖ Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

### **❖ Fire:**

BSCO FOAM FIX is non-flammable.

**Product Code Number 038**

**Document Issue Date April 2020**



## BSCO Montra

Surface Preparing For Fairface Concrete, Ceilings & Walls





## **BSCO MONTRA**

### **❖ Product:**

BSCO MONTRA is a fine plastering material for ceiling surfaces, fair free and quick repair work to concrete surfaces. BSCOMONTRA is a single component, polymer modified, cement bound montra, to be mixed with water. Low shrinkage and crack free hardening even when exposed to dynamic loads during application. BSCO MONTRA can be used for plastering of AAC Blocks in interior and exterior areas.

### **❖ Use:**

- Resistance to frost and de-icing salt.
- For repairing all types of structures.
- Floor slabs and car park decks
- For interior and exterior use
- Water impermeable
- Elevated carbonation resistance.

### **❖ Technical Details**

Water requirement	6 to 8 liters. per 40 kg
Thickness	1mm to 4mm
Coverage	40kg cover 7m <sup>2</sup> in 4mm thickness
Compressive strength	55 N/mm <sup>2</sup>
Bulk Density	2.0 Kg/dm <sup>3</sup>
Tensile strength	8.5 N/mm <sup>2</sup>

### **❖ Substrate and Surface Preparation:**

Surfaces to which BSCOMONTRA are applied, should be clean, sound, free of dust and loose particles. Cement laitance, oil, grease, mold release oil or curing compounds must be removed from concrete or masonry surfaces by using wire brush, bush hammer, scabbler, grit blasting or other means. During application, the temperature of the substrate should not be below 5°C.

### **❖ Mixing:**

Care should be taken to ensure that BSCOMONTRA is thoroughly mixed. Small quantities (up to 10kg) can be mixed by hand using a suitable mixing drum or bucket. Greater quantities must be mixed with a mechanical forced mixer with a high shear stirrer.

Use potable water while mixing and add water into the mixing vessel and with a mixer in operation, add one full bag of BSCOMONTRA and mix for 3 to 5 minutes until a fully uniform and homogeneous mix is achieved.

Dependent on the ambient temperature and the desired consistency the amount of water required may vary slightly but should not exceeded 10 liters. per 40kg of BSCOMONTRA. Excess mixing water may result surface crazing, cracking as well as lower strength and adhesion.

Note: In all cases BSCOMONTRA must be added to water.

**DO NOT MIX LARGE QUANTITIES BY HAND.**

### **❖ Field of Application:**

BSCOMONTRA is used for restoration of spalling and decayed concrete. The mixed Montra hardens rapidly without shrinkage or cracking. Make sure BSCOMONTRA covers the complete surface area and a rough texture need to be achieved to provide a mechanical key for subsequent coats of plasters. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

### **❖ Pot Life:**

Setting begins after 30-45 minutes (at 25°C substrate and ambient temperature) and ends after 75-90 minutes. The working period depends very much on the product temperature and on the amount of mixing water added. Therefore, the times given above should be regarded as a guideline. The lower the temperature, the longer the setting time. The less water added, the shorter the setting time. The addition of water to the mortar after it has started to stiffen is not recommended and the product should be discarded.

### **❖ Curing:**

BSCOMONTRA is to be cured with water spray for a period of 2 days.

### **❖ Precautions:**

BSCOMONTRA should not be used when temperature is below 5°C or in temperature greater than 55°C and where rapid moisture can be lost. To avoid too rapid drying, protect applied BSCOMONTRA from direct sunlight or drying winds during actual application, and while curing for up to 24 hours.

### **❖ Health and Safety:**

1. During use avoid inhalation of dust, contact with skin and eyes.
2. Suitable protective clothing, dust masks, gloves and eye protection should be worn.
3. Continual or extended contact with cement products can cause skin irritation.
4. If skin irritation occurs, remove contaminated clothing and flush skin thoroughly with water.
5. This product contains no VOC (Volatile Organic Compound)

### **❖ Warning:**

Please Note: Recommendations and advice regarding the use of this product is to be taken as a guide only and Bilateral Specialized Co. (BSCO) shall not be liable for any loss, injury or damage whatever resulting from its use.

**Product Code Number 015**

**Document Issue Date April 2017**



## BSCO Self Leveling

Self-leveling concrete and cement surfaces





## **BSCO SELF LEVELING**

### **❖ Product:**

BSCO SELF LEVELING is manufactured by BSCO an ISO & SASO Certified company. BSCO SELF LEVELING is a single component cementitious floor self-leveling underlayment composed of cement, aggregates and additives. It is supplied as a dry powder in pre-weighed bags ready to use on-site, once mixed it will form a cohesive self-smoothing honey-like flowing mortar that is applied in thicknesses between 2 and 9 mm giving a super flat finish ready to receive final floor coverings including tiles, carpets, resinous flooring systems, parquet, etc. BSCO SELF LEVELING meets the adhesion requirements of ASTM C1708, C109, and C348.

### **❖ Use:**

Leveling of concrete slabs prior to the application of final floor coverings such as tiles and resinous systems

As a substrate for tiles, parquet, carpet, and floor coverings that require super-flat substrates

### **❖ Technical Details**

Water requirement	4 to 5 liters. per 20 kg
Open time	30 minutes
Coverage	20 kg cover 5m <sup>2</sup> using 3mm notched trowel
Bond strength	2.8 N/MM <sup>2</sup>
Pot life	6 hours
Final set	48 hours

### **❖ Substrate and Surface Preparation:**

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc. Larger areas can be divided with wooden battens to control the volume and determine the layer thickness to be applied. Follow the expansion joints in the substrate for segmenting the area under the application. Before applying BSCO SELF LEVELING, it's important to leave the primer between 1-2 hours to fully dry. In case of doubt, check the primer dryness by adding drops of water on top of the primer substrate, it should not absorb the water drops.

### **❖ Mixing:**

For applying BSCO SELFLEVELING mixing, add to the mixing container 4 liters of water for each 20 KG bag of BSCO SELFLEVELING. Add the powder to the water and mix with a mechanical plaster mixer or mechanical stirrer fitted with a suitable paddle for 3 - 4 minutes, until a uniform, lump-free fluid consistency is achieved.

### **❖ Application Curing:**

BSCO SELF LEVELING is a self-curing product. Protect the applied material from environmental agents such as wind, direct sunlight, dirt, and dust exposure for at least the first 2 hours to ensure smooth leveled hard surfaces.

### **❖ Advantages:**

1. Easy application enabling high productivity & superior finishing.
2. Quick commissioning and serviceability
3. High bond to the substrate.
4. Solving Shrinkage issues
5. Single component flexible adhesive.
6. Excellent workability.
7. Suitable for all any seasons.

### **❖ Application:**

Placing should be directly from the mixing container on top of the primed substrate, always start from in to out and narrow areas. It is very necessary to pour the material continuously without any time gaps more than 10 - 15 min between the newly poured and the previous adjacent one, which is to ensure a perfect leveled convergence. After placing onto the primed surface, assist spreading the material by the leveling smoothing trowel or by a pin gauge rake. Use a suitable spike roll to remove entrapped air if there is any.

### **❖ Traffic:**

Light foot traffic can be accepted after 6 hours at medium temperatures. Cold temperature of less than 10°C will require 48 hours before exposure to any foot traffic.

### **❖ Limitations:**

Do not mix with any additives or products, unless recommended by BSCO. Mixing water should be clean and its temperature between 20 - 35°C. Also application must be in a temperature in between 5°C to 35°C Make sure the substrate is suitable for the underlayment application. In case of doubt, try on the sample area to assess its suitability.

### **❖ Storage:**

BSCO SELF LEVELING can be stored 12 months in the original packaging in a normal indoor environment.

### **❖ Health and Safety:**

Use a dust mask and goggles when mixing the powder and gloves when using the adhesive. For further information, see the safety data sheet.

### **❖ Warning:**

The technical details and recommendations in this data sheet are to the best of our current knowledge and experience, and must in every case be taken as merely indicative and are to be confirmed beforehand by the consumer for the intended application. The user alone shall be fully responsible for the consequences of any misuse.

**Product Code Number 035**

**Document Issue Date April 2020**



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TEST REPORT

PHYSICAL PROPERTIES OF CERAMIC TILES GROUT ADHESIVE  
SASO ISO 13007-3 / SASO ISO 13007-4

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO Selef Leveling
Project Name	Internal Quality Check	Sample Source	Bilateral Specialized Co (BSCO) For Industry
Project No.	NP	Sampling Method	NP
Location	Riyadh, KSA	Sampling Date	NP
Contractor	NP	Sampled by	Customer
Consultant	NP	Customer Identification	NP
CBML Project No.	CBMP-0497-19	Date Received	17-May-21
CBML Sample No.	CBM-170521-002	Sample Condition	Normal
CBML Report No.	CBMR-21-01135	Environmental Condition	25 °C
Date of Report	20-Jun-21	Date of Test	17-Jun-21
Manufacturer	Bilateral Specialized Co (BSCO) For Industry	Sampled Location	Riyadh K.S.A
Production date	NP	Casting / Application date	20-May-21
Sample size	20 Kg	Age at test	28

TEST RESULTS

FLEXURAL STRENGTH (SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
Maximum Load at Failure (N)	28	2743	2759	2740	2747	-
Flexural Strength (N/mm <sup>2</sup> )	28	6.426	6.464	6.419	6.4	≥2.5 N/mm <sup>2</sup>

COMPRESSIVE STRENGTH (SASO ISO 13007-4)

Test Parameter	Test Age (Days)	1	2	3	4	5	Average	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
Maximum Load at Failure (N)	28	2990	2902	2685	3066	3396	3008	-
Compressive Strength (MPa)	28	18.7	18.1	16.8	19.2	21.2	19	≥15 N/mm <sup>2</sup>

TENSILE ADHESION STRENGTH (SASO ISO 13007-2)

Test No.	Applied Force (N)	Area mm <sup>2</sup>	Pull off Strength N/mm <sup>2</sup>	Failure mode	Test Duration and/Or Condition	SPECIFICATION LIMITS SASO ISO 13007-3 CG1 – Fundamental characteristics
1	5130	2500	2.05	AF-T	Normal Condition at 28 days	
2	3160	2500	1.26	AF-T		
3	5020	2500	2.01	AF-T		
4	5100.00	2500	2.04	AF-T		
5	4950.00	2500	1.98	AF-T		
Average			1.87			

شركة مساهمة مغلقة برأس مال : 500,000,000 ريال ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000

مملكة العربية السعودية - ص.ب. 88458 الرياض 11662  
هاتف : +966 11 464 5354 فاكس : +966 11 8278024  
رقم الهوية : 1010225110 السجل التجاري : 1010225110  
رقم المود : 174400  
Saudi Specialized Laboratories Co. Kingdom of Saudi Arabia - P.O. Box 88458 Riyadh 11662  
Phone : +966 11 8278024 Fax : +966 11 464 5354  
Membership No. : 174400 C.R. No. : 1010225110  
CONSTRUCTION & BUILDING MATERIALS TESTING LABORATORY - RIYADH  
1 of 2



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مطابقة  
MOTABAQAH  
الشركة السعودية للمختبرات الخاصة  
Saudi Specialized Laboratories Co.

TEST REPORT

PHYSICAL PROPERTIES OF CERAMIC TILES GROUTE ADHESIVE  
SASO ISO 13007-3 / SASO ISO 13007-4

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO Selef Leveling
Project Name	Internal Quality Check	Sample Source	Bilateral Specialized Co (BSCO) For Industry

DETERMINATION OF BULK DENSITY OF FRESH MORTAR(SASO EN 1015-6: 2014)

Test Parameter	Units	1	2	3	Average
Dry Bulk Density unit weight of Slag	g/L	1750	1740	1750	1750

DETERMINATION OF DRY BULK DENSITY OF HARDENED MORTAR (SASO EN 1015-10: 2014)

Test Parameter	Units	1	2	3	Average
Product Density	Kg/m <sup>3</sup>	1810	1800	1810	1810

Tested by : EHSQ  
Test Variation : NIL  
Remark : NIL

AUTHORIZED SIGNATORY



CBMR-207 Rev. 0

Result related to the items tested

This testreport shall not be reported except in full, without the written approval of the laboratory

شركة مساهمة مقفلة برأس مال : 500,000,000 ريال ( مدفوع بالكامل )  
Closed Shareholding Co. : Fully Paid up Capital : SR 500,000,000

المملكة العربية السعودية - ص.ب. ٨٤٥٨ الرياض ١١٦٦٢  
هاتف : +٩٦٦ ١١ ٨٢٧٨٠٢٤ فاكس : +٩٦٦ ١١ ٤٦٤٥٣٥٤  
رقم العضوية : ١٧٤٤٠٠ السجل التجاري : ١٠١٠٢٢٥١١٠  
الرقم الموحد : ٩٢٠٠٢٩٢٩٣

Kingdom of Saudi Arabia - P.O. Box 88458 Riyadh 11662  
Phone : +966 11 8278024 Fax : +966 11 464 5354  
Membership No. : 174400 C.R. No. : 1010225110



# CERTIFICATES





علامة أبو ظبي للثقة  
Abu Dhabi Trust Mark

مجلس أبوظبي  
للجودة والمطابقة  
Abu Dhabi Quality &  
Conformity Council



## وثيقة المطابقة Conformity Document

Certificate No:	<b>QAD-2023.1443.01-CM</b>	رقم الشهادة:
Expiry Date:	<b>05 November 2024</b>	تاريخ الإنتهاء:

Issuing Date: **06 November 2023** تاريخ الإصدار:

Conformity Scheme: **Construction and Infrastructure Materials TA** برنامج المطابقة:

Product: **C2- Improved cementitious tile adhesive** المنتج:

Name and Address of the Licensee: **AABAQ ALRABEEA WHOLESALE OF SELFADH ESIVE MATERIAL TRADING**  
**PO Box 118, Industrial Area, hessa bint Mohamed Street, Al Ain** اسم و عنوان صاحب الحق باستخدام العلامة:

Name and Address of the Manufacturer and the Factory: **Bilateral Specialized Company (BSCO) For Industry**  
**PO Box 31991, Hafer Al Batin – Industrial Area, Kingdom of Saudi Arabia** اسم وعنوان المصنع ومكان التصنيع:

Trademark / Brand Name: **BSCO** العلامة التجارية / الاسم التجاري:



QAD-2023.1443.01-CM

This is an electronic certificate and does not require stamp

Visit our website to verify this certificate:

<https://jawdah.qcc.abudhabi.ae/en/pages/homepage.aspx>

Any changes or modification on this certificate will affect its validity

هذه الشهادة صدرت إلكترونياً ولا تحتاج إلى ختم

للتأكد من صحة هذه الشهادة يرجى زيارة موقع جودة الإلكتروني:

<https://jawdah.qcc.abudhabi.ae/en/Pages/homepage.aspx>

أي كتشف أو تغيير في هذه الشهادة يلغيها



علامة أبوظبي للثقة  
Abu Dhabi Trust Mark

مجلس أبوظبي  
للجودة والمطابقة  
Abu Dhabi Quality &  
Conformity Council



وثيقة المطابقة

## Conformity Document

Certificate No:	<b>QAD-2023.1443.01-CM</b>	رقم الشهادة:
Expiry Date:	<b>05 November 2024</b>	تاريخ الإنتهاء:

Model	Characteristics	Additional information
BSCONITE 20 KG	TENSILE ADHESION STRENGTH, TENSILE ADHESION STRENGTH AFTER WATER IMMERSION, TENSILE ADHESION STRENGTH AFTER HEATAGEING, TENSILE ADHESION STRENGTH AFTER FREEZE THAW CYCLE	As per ISO 13007-2:2010 and as mentioned in the certificate CBMR-21-01659A

Notes:



QAD-2023.1443.01-CM

This is an electronic certificate and does not require stamp

Visit our website to verify this certificate:

<https://jawdah.qcc.abudhabi.ae/en/pages/homepage.aspx>

Any changes or modification on this certificate will affect its validity

هذه الشهادة صدرت إلكترونياً ولا تحتاج إلى ختم

للتأكد من صحة هذه الشهادة يرجى زيارة موقع جودة الإلكتروني:

<https://jawdah.qcc.abudhabi.ae/en/Pages/homepage.aspx>

أي كسب أو تغيير في هذه الشهادة يلغيها





المركز الوطني  
للمراقبة على الالتزام البيئي  
National Center for Environmental Compliance  
المملكة العربية السعودية

## تصريح بيئي للتشغيل

رقم الصادر	٢٧٠٢٠
تاريخه	١٤٤٤/١١/٧ هـ

رقم الطلب	١٤٤٧/٨٣١٠	شركة الشاوية المتخصصة للصناعة	أسم المنشأة
هاتف	-	ثانية	فئة
صندوق البريد	٨٨١	مقابر الشهداء - حي الربيع - المنطقة الصناعية - حفر الباطن	العنوان
المدينة	N	٢١.٣.٢١٧.٩	رقم المنشأة
مصدرة	حفر الباطن	٤٦.٠٦٦٢٩٥	الاحداثيات
تاريخه	حفر الباطن	٢٥١١.٢١٣٨	السجل التجاري
	١٤٣٥/٥/١٠ هـ	إنتاج المواد اللاصقة ومنتجات التكمسية	النشاط

يوافق المركز الوطني للرقابة على الالتزام البيئي على النشاط الموضح أعلاه من الناحية البيئية مع مراعاة اللوائح والأنظمة الصادرة من الجهات الأخرى ذات العلاقة والالتزام بنظام البيئة ولو اتجه التنفيذ والاشتراطات المرفقة مع هذا التصريح وتنتهي صلاحيته في ١٤٤٥/١١/٥ هـ



مدیر عام التراخيص والتصاريح  
عبدالله بن منقوت النهدي  
عاطف بن عبد الرحمن عريضة



الرقم: ٢٧٠٢٠  
التاريخ: ١١/٧/١٤٤٢هـ  
المرفقات:

المركز الوطني  
للمراقبة على الالتزام البيئي  
National Center for Environmental Compliance  
المملكة العربية السعودية



### إشتراطات تصريح بيئي للتشغيل

اسم المنشأة: شركة الشانبة المتخصصة للصناعة

نوع النشاط: إنتاج المواد اللاصقة ومنتجات التكسية

١. الالتزام التام بالنظام البيئي ولوائحه التنفيذية والإشتراطات الصادرة من المركز الوطني للمراقبة على الالتزام البيئي.
٢. الالتزام التام بالخطط والإجراءات والتدابير المذكورة بالدراسة البيئية وذلك في التحكم وخفض التأثيرات البيئية وبما في ذلك التأثيرات التراكمية الى الحدود التي تضمن عدم تجاوز المقاييس والمعايير البيئية.
٣. الالتزام بتسهيل مهام الفنيين والمختصين بالمركز أو من ينوب عنها والسماح لهم بدخول موقع المشروع في أي وقت وتقديم المعلومات والبيانات المطلوبة من قبلهم.
٤. الالتزام بالتخلص من النفايات عن طريق مقدم خدمة مرخص من قبل الجهات المختصة.
٥. الالتزام التام بما جاء في الدراسات والتقارير الفنية المقدمة عند طلب الموافقة فيما يتعلق بتشغيل وصيانة أنظمة كبح الملوثات.
٦. الالتزام التام بأعمال الصيانة الدورية للآلات والمعدات وأنظمة كبح الملوثات واتخاذ جميع الاحتياطات الضرورية لمنع حدوث تسرب أو انبعاثات ينتج عنه أي تجاوز للمقاييس والمعايير البيئية وأن يتم تضمينها بتقارير المراقبة الذاتية.
٧. الالتزام التام بالالتزام بتقديم تقارير المراقبة الذاتية خلال عمليات التشغيل للمركز وعلى ان يتم إعدادها كل ٦ شهور من قبل مقدم خدمة معتمد لدى المركز.
٨. الالتزام بإبلاغ المركز فور حدوث حالات طارئة أو عمليات بدء تشغيل أو اغلاق مؤقتة قد ينتج عنها تجاوزات للمقاييس والمعايير البيئية.
٩. في حالة أي تعديل أو تغيير على نشاط ومهام المنشأة أو في نوعية الخام أو الإنتاج أو عند عمل أي توسعة أو إضافة للمشروع دون إبلاغ المركز مسبقاً بذلك فإن هذا التصريح البيئي يعتبر لاغياً.
١٠. الالتزام بتنفيذ جميع الإشتراطات المذكورة وفي حال الإخلال بها سيعرض المنشأة لإيقاع العقوبة عليها حسب النظام البيئي ولوائحه التنفيذية.
١١. الالتزام بنظام البيئة ولوائحه التنفيذية عند طلب تجديد التصريح البيئي.





## ترخيص منشأة صناعية



### استثمار وطني

١٤٤٥-٠٦-٢٩	تاريخ القرار	١٤٣٥-١١-٠٥	تاريخ الترخيص	٣٥١٥٤٩	رمز المنشأة
١٤٤٦-٠٧-١١	تاريخ الانتهاء	٤٠١١١٠١٣٣٤٥٠	رقم القرار	تجديد	نوع القرار

+٩٦٦٥٣٣١٨٣٤٢٩	هاتف	شركة الثنائية المتخصصة للصناعة	اسم المنشأة الصناعية
٧٠٠١٩٠٥٣٧٦	الرقم الوطني الموحد	٢٥١١٠٢١٣٦٨	السجل التجاري للمنشأة الصناعية
(N28.39939366911004 , E46.06629463691411)	موقع المنشأة الصناعية	شركة الثنائية المتخصصة للصناعة	مالك المنشأة
المنطقة الشرقية	المنطقة	٢٥١١٠٢١٣٦٨	رقم السجل التجاري الرئيسي
حفر الباطن	المدينة	صنع الأسمت والجير والجص / ٢٣٩٤	النشاط الرئيسي
		خمسة و تسعون فرداً	عدد العمالة
		ستة ملايين و ستمائة و خمسة و أربعون ألفا و مائتين و خمسون ريال و واحد هلاة	حجم الاستثمار
		٩٥	٦٦٤٥٢٥٠٠١

الوحدة	الطاقة الإنتاجية	النشاط الصناعي	وصف المنتج	رمز المنتج
طن	٣٠٠٠٠٠	صناعة الأصماغ المشتقة من أصل حيواني والأصماغ المحضرة الأخرى التي أساسها المطاط أو اللدائن	غراء ومواد لاصقة	٣٥٠٦٩٩٠٠
طن	٣٠٠٠٠٠	صناعة الأسمت الأبيض	مونة جافة	٢٥٣٣١٠٠
طن	٣٠٠٠٠٠	صناعة الأسمت الأبيض	مواد تنشط جافة وسائل ذات اساس اسمتي	٢٥٣٣١٠٠

وزير الصناعة والثروة المعدنية

بندر بن إبراهيم الخريف



## ترخيص منشأة صناعية



### استثمار وطني

الوحدة	الطاقة الإنتاجية	النشاط الصناعي	وصف المنتج	رمز المنتج
طن	٣٠٠٠٠٠	صناعة الأسمت الأخرى	مواد تليس وشطب جاهزة	٢٥٣٣٢٩٩٠
طن	٢٢٠٠٠٠	صناعة أصناف من الجبس . يشمل ( الأطر والبراويز المنقوشة والتماثيل والغارات وأصناف الزينة الأخرى )	بودرة طرطنشة	٢٥٢٠١٠١٠
طن	٣٠٠٠٠٠	أنشطة أخرى لصناعة المنتجات الكيميائية الأخرى غير المصنعة في موضع آخر	غراء وتروبية والبلاط والسيراميك	٣٨٢٤٧٩٠٠
طن	٣٠٠٠٠٠	إنتاج الغارات الصناعية والهواء المسال أو المضغوط ، الغارات المبردة ، الغارات الصناعية المخلوطة الأخرى	مواد لاصقة للسيراميك والبلاط والرخام	٣٨٠٦٩٠٠٠
طن	٢٥٠٠٠٠	صناعة وتركيب المنتجات المعدنية المصنوعة من أجزاء في الوحدة ذاتها والمستخدمه في البناء والتشييد وأشغال معدنية مماثلة أخرى	مواد تشطب ومواد ربط الخرسانة	٣٨٢٤٤٠٠٠
طن	٢٠٠٠٠٠	أنشطة أخرى لصناعة المنتجات الكيميائية الأخرى غير المصنعة في موضع آخر	مواد عازلة للمياه	٣٨١٥١٩٠٠
طن	٢٠٠٠٠٠	أنشطة أخرى لصناعة الأصناف المنتجة من الخرسانة والأسمت والجبس	غراء كسر الرخام	٣٥٠٥٢٠٩٠
طن	٢٢٥٠٠٠	صناعة المواد اللاصقة أو المستحضرات غير الحرارية المماثلة المستخدمة في الحشو أو تسوية السطوح	مواد ملء التشققات والتروبية (بودرة)	٣٢١٤١٠٩٤
طن	٣٠٠٠٠٠	صناعة الطوب الأحمر والطفي العازل للحرارة	مونة الطوب الحراري	٦٩٠٤٩٠٠٠
طن	٣٠٠٠٠٠	صناعة الجبلاين ومشتقاته	مواد لاصقة للبلاط	٣٥٠٦٩٩٠٠
طن	٣٠٠٠٠٠	صناعة الخرسانة الحرارية	غراء سيراميك حراري	٣٨١٦٠٠٠٠

وزير الصناعة والثروة المعدنية

بندر بن إبراهيم الخريف





# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## BILATERAL SPECIALIZED COMPANY (BSCO) FOR INDUSTRY

Main Site: Hafer Al Batin - Industrial Area, Kingdom of Saudi Arabia  
has been registered by Intertek as conforming to the requirements of:

### ISO 9001:2015

The management system is applicable to:

Manufacture and Supply of Building materials

**Certificate Number:**

0124922

**Initial Certification Date:**

14 June 2022

**Date of Certification Decision:**

14 June 2022

**Issuing Date:**

14 June 2022

**Valid Until:**

13 June 2025



intertek

**Calin Moldovean**

President, Business Assurance

Intertek Certification Limited, 10A Victory Park,  
Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS  
accredited body under schedule of  
accreditation no. 014.



In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at [certificate.validation@intertek.com](mailto:certificate.validation@intertek.com) or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.





شهادة ترخيص باستخدام علامة الجودة  
License For Use of The Quality Mark

License Number: 20200141581 رقم الترخيص:

SASO certifies that it has granted the right to use (SASO) quality mark on the following products, after fulfilling the required requirements according to the related normative references:

تشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها رخصت باستخدام علامة الجودة على المنتجات الموضحة أدناه بعد استيفائها للمتطلبات اللازمة وفق المراجع القياسية الخاصة بها:

The Establishment:

شركة الثنائية المتخصصة للصناعة

المنشأة:

The Establishment's Address:

المملكة العربية السعودية - حفر الباطن - المنطقة الصناعية الثانية

عنوان المنشأة:

Production Line Location:

المملكة العربية السعودية - حفر الباطن - المنطقة الصناعية الثانية

موقع خط الإنتاج:

Normative References:

SASO ISO13007-1:2022/SASO ISO13007-3:2014

المراجع القياسية:

The Trade Mark:

بيسكو

العلامة التجارية:

The Product:

بلاط السيراميك - الملاط والمواد اللاصقة - الجزء 1  
بلاط السيراميك - مونة مائعة ومواد الالتصاق - الجزء 3

المنتج:  
(تفاصيل المنتج في الملحق)

Date of Granting:

15/07/2020

تاريخ المنح:

Date of Renewal:

15/07/2023

تاريخ التجديد:

Date of Expiry:

15/07/2026

تاريخ الانتهاء:

مدير عام الإدارة العامة لمنح الشهادات  
Director General of Certification Department

المهندس / خالد بن محمد النملة  
Eng. Khalid M. Alnamlah



للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي كسط أو تغيير في هذه الشهادة يغيرها.  
To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.

ملحق شهادة ترخيص بالاستعمال علامة الجودة  
Appendix (License For Use of The Quality Mark)

The establishment:	شركة النابانية المتخصصة للصناعة
Certificate No.:	20200141581
Certificate Expiration Date:	15/07/2026
Product:	بلاط السيراميك - الملاط والمواد اللاصقة - الجزء 1 / بلاط السيراميك - مونة مائعة ومواد الالتصاق - الجزء 3
Brand Name:	بيسكو

المشاة:	رقم الترخيص:	تاريخ انتهاء الترخيص:	المنتج:	العلامة التجارية:
1			بلاط السيراميك - الملاط والمواد اللاصقة - الجزء 1، صنف (C2، Cementitious Adhesive)	
2			بلاط السيراميك - مونة مائعة ومواد الالتصاق - الجزء 3، صنف (CG1، Cementitious Grout)	

المقاسات Size	تاريخ المنح/التجديد Date of Granting/Renewal	الصف Classification
-	15/07/2023	
-	15/07/2023	



لتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت، وأي خطأ أو تغيير في هذه الشهادة يبطلها.  
To verify this certification visit SASO website, and any changes or modification on this certificate will affect its validity.

المملكة العربية السعودية  
Kingdom of Saudi Arabia  
ص ب الرياض 3437  
P.O.Box 3437 Riyadh 11471  
T 920009085  
F +966114520086

ONS-F-0-10  
Issue # 5  
Rev # 2  
Date 26/01/441  
Date 17/09/1444

www.saso.gov.sa  
info@saso.gov.sa





<b>National Housing Company - Al Mashriqiya</b>		الشركة الوطنية للاسكان - مشروع المشرقية	
Client: الشركة الوطنية للاسكان National Housing Company NHC	Project: المشرقية	Contractor: SATC	

## Material Approval Form

<b>To:</b> NHC - Technical Support Department	<b>From:</b> شركة السبق العربي
<b>Attention:</b> Ahmed Mahana	<b>By:</b> منتصر صابر

TRM No.:	CONT	PROJ	ZONE	TRADE	NO	REV
	SATC	MSH	F	AR	50150	0

<input type="checkbox"/> Structure	<input checked="" type="checkbox"/> Architectural	<input type="checkbox"/> Electrical	<input type="checkbox"/> Mechanical
------------------------------------	---	-------------------------------------	-------------------------------------

<b>1. Material Description:</b> المواد المعمارية-اللياسة-مواد بديل اللياسة-bSCO plaster	<b>Date:</b> 29-Oct-23
---	------------------------

<b>Area of Application:</b>	Zone F	<b>Design Type :</b>	
<b>Plot :</b>		<b>B.O.Q. Ref. No. :</b>	
<b>Drawing Ref. :</b>		<b>Material Color :</b>	
<b>Specification Ref. :</b>		<b>Material code :</b>	

ارفاق جميع المطبوعات الفنية ذات الصلة والمعتمدة لتحديد الوصف ذي الصلة وشهادات الاختبار الحالية والعينات حسب الاقتضاء.

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

### 2. Manufacturer, Supplier Information:

<b>Company Name :</b>	الشركة الثنائية المتخصصة للصناعة - بسكو/BSCO		
<b>Address:</b>	RIYADH	<b>Tel. No:</b>	0506943788
<b>Approved TRM No. :</b>	F		
<b>Local Agent :</b>			

### 3. DELIVERY :

<b>Country of Origin :</b>	
<b>Availability:</b>	Locally Manufactured. Overseas

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; the submitted items in conformity with the above and deliver same timely. also that the material sources indicated above have been reviewed in detail and that they will supply

<b>Submitted By:</b> Eng. منتصر صابر	<b>Signature:</b>	<b>Date :</b> 29-Oct-23
--------------------------------------	-------------------	-------------------------

4. Comments : -لا مانع من اعتماد (بيسكو بلاستر) كمادة بديل للياسة على أن يتم الأخذ في الاعتبار ما يلي :  
- الالتزام بالتوصيات الواردة في الداتا شيت المرفقة -  
- الالتزام بعدم توريد أي مواد منتهية الصلاحية -  
- الالتزام بأن لا تتعدى السماكة 30 ملم طبقا للداتا شيت -  
- الالتزام بنسب الخلط والتخزين والتشوين طبقا للتوصيات -



<b>National Housing Company - Al Mashriqiya</b>		الشركة الوطنية للاسكان - مشروع المشرقية					
Client: 	Project: 	Contractor: 					
الالتزام بتعليمات استشاري الاشراف على التنفيذ وأصول الصنعة وتوصيات الصانع -							
<input type="checkbox"/> Sample	<input type="checkbox"/> Tests	<input type="checkbox"/> Additional Info.	<input checked="" type="checkbox"/> Manufactures Guarantee				
<input type="checkbox"/> A - Approved	<input checked="" type="checkbox"/> B - Approved As Noted	<input type="checkbox"/> C - Revise & Resubmit	<input type="checkbox"/> D - Rejected				
<b>Technical Engineer:</b>		<b>Signature:</b>		<b>Technical Project Manager:</b>		<b>Signature:</b>	
<b>Name:</b>	Eng. Ahmed Mahana	<b>Name:</b>	Eng. Mohamed Assaf	<b>Name:</b>	Eng. Mohamed Assaf	<b>Name:</b>	Eng. Mohamed Assaf
<b>Date:</b>	31-Oct-23	<b>Date:</b>	31-Oct-23	<b>Date:</b>	31-Oct-23	<b>Date:</b>	31-Oct-23
Approval shall not relieve Contractor of his liabilities under the contract or constitute authorization of any change to contract document.				لا تعفي الموافقة المفاوض من مسؤولياته بموجب العقد أو تشكل تفويضا بأي تغيير في مستند العقد.			



<b>National Housing Company - Al Mashriqiya</b>		الشركة الوطنية للاسكان - مشروع المشرقية	
Client: الشركة الوطنية للاسكان National Housing Company NHC	Project: المشرقية	Contractor: SATC	

Supplier's Approval Form						
To: NHC - Technical Support Department				From: شركة سبق العربي		
Attention: Ahmed Mahana				By: منتصر صابر		
TRM No.:	CONT	PROJ	ZONE	TRADE	NO	REV
	SATC	MSH	F	AR	50187	0
<input type="checkbox"/> Structure	<input checked="" type="checkbox"/> Architectural	<input type="checkbox"/> Electrical	<input type="checkbox"/> Mechanical			
1. Contractor Information:			Submission Date:		11-Oct-23	
Contractor Name / Role:		alsabq alaraby trading &cont comp				
Tel. No.:	0966112484622		Email:	info@satc.com.sa		
2. Manufacturer ,Supplier or Sub-Contractor Information						
Company Name :		الشركة الثنائية المتخصصة للصناعة - بسكو/BSCO				
Address:					Tel. No:	0506943788
Email:		www.bsco.sa.com				
Reason for Selection:					Stamp:	
Sub-Contracted Works:		ترويبية البلاط - البلاط - المواد المعمارية				
Section of the Works:						
BOQ Items:						
Commercial Register Certificates:		1- Commercial Registration Certificates. 2- Chamber of Commerce 3- GOSI 4- Saudization 5- Zakat 6- VAT Certificate 7- ISO Certificate 8- SASO				
Submitted By:		Eng. منتصر صابر		Signature:	Date :	11-Oct-23

**4. Comments :** لا مانع من اعتماد المورد (الشركة الثنائية المتخصصة للصناعة - بسكو) معتمد سابقا لبند ترويبية البلاط على أن يتم الأخذ في الاعتبار ما يلي :-  
- تقديم عينات للاعتماد على أن تكون مطابقة لمواصفات المشروع ومواصفات كود البناء السعودي -  
- ارفاق الداتا شيت الخاص بالمواد المقدمة للاعتماد -  
- الالتزام بأن تكون جميع الاوراق والشهادات الحكومية الخاصة بالمورد سارية طوال فترة المشروع -  
- تقديم الضمانات اللازمة -

Sample	Tests	Additional Info.	Manufactures Guarantee
<input type="checkbox"/> A - Approved	<input checked="" type="checkbox"/> B - Approved As Noted	<input type="checkbox"/> C - Revise & Resubmit	<input type="checkbox"/> D - Rejected



<b>National Housing Company - Al Mashriqiya</b>		الشركة الوطنية للاسكان - مشروع المشرقية	
<b>Client:</b>	 الشركة الوطنية للاسكان National Housing Company NHC	<b>Project:</b>	 المَشْرِيقِيَّة
		<b>Contractor:</b>	 شركة اساتك للتجارة S.A.T.C.

<b>Technical Engineer:</b>		<b>Signature:</b>	<b>Technical Project Manager:</b>		<b>Signature:</b>
<b>Name:</b>	Eng. Ahmed Mahana		<b>Name:</b>	Eng. Mohamed Assaf	
<b>Date:</b>	12-Oct-23		<b>Date:</b>	12-Oct-23	
Approval shall not relieve Contractor of his liabilities under the contract or constitute authorization of any change to contract document.			لا تعفي الموافقة المقاول من مسؤولياته بموجب العقد أو تشكل تفويضا بأي تغيير في مستند العقد.		



TIN 3100535262 الرقم المميز  
Certificate No. 100231083512367 رقم الشهادة  
Certificate date 24/08/2017 تاريخ الشهادة



هيئة الزكاة والضريبة والجمارك  
Zakat, Tax and Customs Authority

المملكة العربية السعودية  
Kingdom of Saudi Arabia

## شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد هيئة الزكاة والضريبة والجمارك بأن المكلف أدناه مسجل في ضريبة القيمة المضافة بتاريخ ٢٤/٠٨/٢٠١٧ م  
The Zakat, Tax and Customs Authority certifies that taxpayer below is VAT registered on 24/08/2017 AD

Taxpayer Name	شركة الثنائية المتخصصة للصناعة ( ذات مسؤولية محدودة )	اسم المكلف
VAT Registration Number	310053526200003	رقم التسجيل الضريبي
Effective Registration Date	2018/01/01	تاريخ نفاذ التسجيل
Taxpayer Address	حفر الباطن، العام، 31991	عنوان المكلف
CR / License Contact / ID No	2511021368	رقم السجل التجاري / الرخصة / العقد / الهوية
Tax Period	ربع سنوي - Quarterly	الفترة الضريبية
First Filing due date	2018/04/30	تاريخ استحقاق أول إقرار ضريبي

**ملاحظة:** مكملين مسجلين في ضريبة القيمة المضافة، لا يجوز لكم تحصيل ضريبة القيمة المضافة من عملائكم قبل تاريخ نفاذ التسجيل في الضريبة. و في حال تبين غير ذلك ستقوم هيئة الزكاة والضريبة والجمارك بتنفيذ الغرامات المستحقة

**Note:** As a VAT registered taxpayer, you are not allowed to collect VAT from your customers prior to the effective date of the tax registration. If otherwise approved, The ZAKAT, Tax and Customs Authority will impose the applicable penalties



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هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع  
و لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة  
www.zatca.gov.sa



100231083512367

TIN 3100535262 الرقم المميز  
Certificate No. 100231083512367 رقم الشهادة  
Certificate date 24/08/2017 تاريخ الشهادة



هيئة الزكاة والضريبة والجمارك  
Zakat, Tax and Customs Authority

المملكة العربية السعودية  
Kingdom of Saudi Arabia

## قائمة فروع المكلف List of Taxpayer Branches

المدينة City	اسم الفرع Branch Name	رقم سجل تجاري / رخصة / عقد CR/ License / Contract Number
حفر الباطن Hafar Al Batin	مصنع الثنائية المتخصصة للبلوك	2511100081
الرياض Riyadh	شركة الثنائية المتخصصة للصناعة	1010867972



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هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع  
و لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة  
www.zatca.gov.sa



PMC: Dar al-handasah		Consultant: Khatib & Alami		General Contractor: Tamimi Global Company Ltd.	

**SUBCONTRACTOR/SUPPLIER PRE-QUALIFICATION**

AR	ME	CV	LA	Submittal No.	S	P	-	4	4	4	Rev.	0	1
ST	EE	QS	OT	Date:	30-Aug-23			Contract Drawing No.					

To: Khatib & Alami From: Tamimi Global Company Ltd.

SUPPLIER PRE-QUALIFICATION		Attachments
Description		
Name:	Bilateral Specialized Company for Industry	<input checked="" type="checkbox"/> Company Profile
Telephone No.:		<input checked="" type="checkbox"/> Valid Commercial Registration Certificate
Address:	Riyadh, KSA	<input checked="" type="checkbox"/> Valid Membership of Chamber of Commerce
Person in Charge and His Mobile No.:	Abdulqayyum / 0507716272	<input checked="" type="checkbox"/> Valid VAT Registration Certificate
Supplier's Qualifying Log:		<input checked="" type="checkbox"/> Valid Zakat & Tax Certificate
Years of Experience (In Total):	5	<input checked="" type="checkbox"/> Valid General Organization of Social Insurance
Years of Experience In Saudi Arabia:		<input checked="" type="checkbox"/> Valid Saudization Certificate
		<input type="checkbox"/> Valid Contractor Classification Certificate
		<input type="checkbox"/> Valid SASO Certificate
		<input type="checkbox"/> Authorized Signatory of Responsible Person



Material: Construction Chemicals كيمويات البناء  
Approval of Subcontractor/Supplier does not relieve contractor of his responsibilities under contract's terms.

Contractor's Remarks:  
TAMIMI GLOBAL CO. LTD.  
2050004970: الطمام - س.ت

Contractor Incoming: Eng. Mohd Adil Date: 30/Aug/23  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Contractor Outgoing: \_\_\_\_\_ Date: \_\_\_\_\_

Consultant Comments:  
تم المراجعة وبعث للتوريد للمشروع مع حضور تقديم شهادة س.ت  
العمل بالمشاريع وتقديم المواد للاعتماد

For K&A:   
Signature: S.C.A./A/K Date: \_\_\_\_\_

ACTION CODE:

A = Approved <input type="checkbox"/>	C = Resubmit as Noted <input type="checkbox"/>
B = Approved as noted <input checked="" type="checkbox"/>	D = Disapproved <input type="checkbox"/>

NOTE: The Client - National Housing Company (NHC) has the authority to approve/disapprove the supplier without any objection from other sides.



المالك	المطور	إدارة المشروع (الإستشاري)	المقاول
 <b>كيدانة</b> <b>KIDANA</b>	 <b>RSG</b> مجموعة الراجحي السعودية ALRAJHI SAUDI GROUP	 <b>التصميم الفريد</b> للاستشارات الهندسية UNIQUE DESIGN رقم ترخيص: ٢٣٤٤ - ٥٧٧ مكاتبنا: الرياض - جدة - مكة المكرمة - الخبر - القصيم - بريدة - الأحساء - المجمعة - حائل - جازان	 <b>شركة الشانبة المتخصصة للصناعة</b> BSCO
اسم المشروع: تطوير مخيمات الحجاج بمنى قطاع 38 رقم المشروع: 001 الموقع: منى - العزيزية المنطقة: مكة المكرمة			
<b>طلب اعتماد مواد</b>			
رقم طلب الاعتماد: AR-067 رقم الطلب السابق: 3/2/2024 تاريخ الطلب السابق: من أجل معلومات من أجل الملاحظات والتعليقات من أجل الاعتماد			
غاية التقديم للاعتماد: <input type="checkbox"/> طلب معاد تقديمه <input type="checkbox"/> من أجل معلومات <input type="checkbox"/> من أجل الملاحظات والتعليقات <input type="checkbox"/> من أجل الاعتماد <input type="checkbox"/>			
التخصص: <input type="checkbox"/> منى <input checked="" type="checkbox"/> معماري <input type="checkbox"/> إنشائي <input type="checkbox"/> تكييف HVAC <input type="checkbox"/> سباكة <input type="checkbox"/> كهرباء <input type="checkbox"/> أخرى <input type="checkbox"/>			
المرفقات: <input type="checkbox"/> كتالوجات <input type="checkbox"/> مخططات <input type="checkbox"/> شهادات <input type="checkbox"/> عينات <input type="checkbox"/> معلومات تقنية <input type="checkbox"/> حسابات <input type="checkbox"/> أخرى <input checked="" type="checkbox"/>			
جدول المواد / المعدات: ملاحظة: يرجى إضافة مرفقات في حالة وجود بنود أكثر من الفراغ المتاح.			
متمثل	اعتماد مواد	منتقون البنود بجدول الكميات	البنود بالموصفات
1	BOND SBR		
2			BSCO
3			
ملاحظات المقاول: تشهد أن طلب الاعتماد المقدم أعلاه مطابق تماماً لمخططات ومواصفات العقد، ما لم يتم ذكر خلاف ذلك، كما هو موضح أدناه.			
مهندس المشروع (المقاول) التاريخ: احمد عبدالعال اسم المهندس /		مدير المشروع (المقاول) التاريخ: علاء خليل اسم المهندس /	
التوقيع:		التوقيع:	
توصيات إدارة المشروع (الإستشاري): إن الموافقة على اعتماد المواد المقدمة أعلاه لا يعطي المقاول من مسؤولياته حسب العقد.			
معتمد مع ضرورة تقديم نسبة وطريقة الخاط عن الترخيل في الاستعمال - (طريقة أر لاسية - أر ربط)			
إدارة المشروع (الإستشاري)			
مهندس المشروع معتمد <input type="checkbox"/> معتمد مع ملاحظات إعادة التقديم غير ضرورية <input checked="" type="checkbox"/>		مدير المشروع الاسم: علي الربيعي التاريخ: ٢٠٢٤/١٢/٢٠ التوقيع:	
الاسم:		التاريخ:	
الوظيفة:		الوظيفة:	
المطور			
مهندس المشروع معتمد <input type="checkbox"/> معتمد مع ملاحظات إعادة التقديم غير ضرورية <input type="checkbox"/>		مدير المشروع الاسم: التاريخ:	
الاسم:		التاريخ:	
الوظيفة:		الوظيفة:	
نسخة للمطور <input type="checkbox"/> نسخة للمقاول <input type="checkbox"/> الأصل إدارة المشروع (الإستشاري) <input type="checkbox"/>			
محتويات هذا النموذج معتمدة وغير قابلة للتعديل إلا بالرجوع لإدارة المشروع PM-MINA-02			



المالك	المطور	إدارة المشروع (الإستشاري)	المقاول
اسم المشروع: تطوير مخيمات الحجاج بمنى قطاع 38 رقم المشروع: 001 الموقع: منى - العزيزية المنطقة: مكة المكرمة			
<b>طلب اعتماد مواد</b>			
<input checked="" type="checkbox"/> طلب جديد	رقم طلب الاعتماد:	رقم الطلب السابق:	
<input type="checkbox"/> طلب مع تقديم	تاريخ الطلب: 18/2/2024	تاريخ الطلب السابق:	
غاية التقديم للاعتماد:	<input type="checkbox"/> من أجل معلومات	<input type="checkbox"/> من أجل الملاحظات والتعليقات	<input checked="" type="checkbox"/> من أجل الاعتماد
التخصص:	<input type="checkbox"/> إنشائي	<input type="checkbox"/> تكييف HVAC	<input type="checkbox"/> سباكة <input type="checkbox"/> كهرباء <input type="checkbox"/> أخرى
مبنى:	<input checked="" type="checkbox"/> معاصر	<input type="checkbox"/> مرافق	<input type="checkbox"/> أخرى
المرافق:	<input type="checkbox"/> مكتبات	<input type="checkbox"/> معطبات	<input type="checkbox"/> معدات
مكتبات:	<input type="checkbox"/> معدات	<input type="checkbox"/> مرافق	<input type="checkbox"/> أخرى
مخططات:	<input type="checkbox"/> مرافق	<input type="checkbox"/> معدات	<input type="checkbox"/> أخرى
ملاحظات:	ملاحظة: يرجى إضافة مرفقات في حالة وجود بنود أكثر من الفراغ المتاح.		
جدول المواد / المعدات:	اعتماد مواد	مطلوب الكمية	حالة الاعتماد
1	اعتماد غراء بيسكونايت		
2			
3			
ملاحظات المقاول:			
تشهد أن طلب الاعتماد المقدم أعلاه مطابق تماماً لمخططات ومواصفات العقد، ما لم يتم ذكر خلاف ذلك، كما هو موضح أدناه.			
مهندس المشروع (المقاول):	التاريخ:	مدير المشروع (المقاول):	التاريخ:
اسم المهندس / احمد عبدالعالم		اسم المهندس / علاء خليل	
التوقيع:		التوقيع:	
توصيات إدارة المشروع (الإستشاري):			
إن الموافقة على اعتماد المواد المقدمه أعلاه لا يطفى المقاول من مسؤولياته حسب العقد.			
تعتمد المادة ليورسولين الازهريه مع الالتزام بتقديم طريقتي تنفيذ والالتزام بإعداد دفتر الراتا تحت المرفق من حين وقت العمل الجورسولين بعد التركيب.			
إدارة المشروع (الإستشاري)			
مهندس المشروع:	اسم:	مدير المشروع:	اسم:
A	مستد	مستد مع ملاحظات ويجب إعادة التقديم	C
B	مستد مع ملاحظات إعادة التقديم غير ضرورية	غير مستد (مرفوض)	D
اسم:		اسم:	
التاريخ:		التاريخ:	
المطور:		المطور:	
مهندس المشروع:	اسم:	مدير المشروع:	اسم:
A	مستد	مستد مع ملاحظات ويجب إعادة التقديم	C
B	مستد مع ملاحظات إعادة التقديم غير ضرورية	غير مستد (مرفوض)	D
اسم:		اسم:	
التاريخ:		التاريخ:	
المطور:		المطور:	
نسخة للمطور:	<input type="checkbox"/>	نسخة للمقاول:	<input type="checkbox"/>
الأصل إدارة المشروع (الإستشاري):	<input type="checkbox"/>	PM-MINA-02	
محتة بات هذا النموذج معتمدة وغير قابلة للتعديل إلا بالرجوع لإدارة المشروع			



المالك	المطور	إدارة المشروع (الإستشاري)	المقاول
اسم المشروع: تطوير مخيمات الحجاج بمنى قطاع 38 رقم المشروع: 001 الموقع: منى - العزيزية المنطقة: مكة المكرمة			
<b>طلب اعتماد مواد</b>			
طلب جديد <input checked="" type="checkbox"/> رقم طلب الاعتماد: AR-066		رقم الطلب السابق: _____	
طلب معاد تقديمه <input type="checkbox"/> تاريخ الطلب: 3/2/2024		تاريخ الطلب السابق: _____	
غاية التقديم للاعتماد <input type="checkbox"/> من أجل معلومات <input type="checkbox"/> من أجل الملاحظات والتعليقات <input type="checkbox"/> من أجل الاعتماد <input checked="" type="checkbox"/>			
التخصص: _____			
مبنى <input checked="" type="checkbox"/> معماري <input checked="" type="checkbox"/> إنشائي <input type="checkbox"/> تكييف HVAC <input type="checkbox"/> سباكة <input type="checkbox"/> كهرباء <input type="checkbox"/> أخرى <input type="checkbox"/>			
المرفقات: _____			
مخططات <input type="checkbox"/> مخرجات <input type="checkbox"/> عينات <input type="checkbox"/> حسابات <input type="checkbox"/> أخرى <input checked="" type="checkbox"/>			
جدول المواد / المعاد: _____ ملاحظة: يرجى إضافة مرفقات في حالة وجود بنود أكثر من الفراغ المتاح.			
مسلسل	اعتماد مواد	منطوق البند بجدول الكميات	البند بالمواصفات
1	اعتماد شراء _ بيسكو نايت		
2			BSCO
3			
ملاحظات المقاول: _____ تشهد أن طلب الاعتماد المقدم أعلاه مطابق تماماً لمخططات ومواصفات العقد، ما لم يتم ذكر خلاف ذلك، كما هو موضح إنناه.			
مهندس المشروع (المقاول)		مدير المشروع (المقاول)	
اسم المهندس / احمد عبدالعال		اسم المهندس / علاء خليل	
التوقيع: _____		التوقيع: _____	
توصيات إدارة المشروع (الإستشاري): _____		إن الموافقة على اعتماد المواد المقدمه أعلاه لا يعطي المقاول من مسؤولياته حسب العقد.	
<b>يتم في الكوايت (مخام - سيدامك - بورجولين)</b>			
إدارة المشروع (الإستشاري)			
مهندس المشروع		مدير المشروع	
معتمد <input checked="" type="checkbox"/> معتمد مع ملاحظات إعادة التقديم غير ضرورية <input checked="" type="checkbox"/>		معتمد مع ملاحظات ويجب إعادة التقديم <input checked="" type="checkbox"/> غير معتمد (مرفوض) <input checked="" type="checkbox"/>	
الاسم: _____		الاسم: _____	
التوقيع: _____		التوقيع: _____	
المطور		مهندس المشروع	
معتمد <input type="checkbox"/> معتمد مع ملاحظات إعادة التقديم غير ضرورية <input type="checkbox"/>		معتمد مع ملاحظات ويجب إعادة التقديم <input checked="" type="checkbox"/> غير معتمد (مرفوض) <input checked="" type="checkbox"/>	
الاسم: _____		الاسم: _____	
التوقيع: _____		التوقيع: _____	
نسخة للمطور <input type="checkbox"/>		نسخة للمقاول <input type="checkbox"/>	
محتويات هذا النموذج معتمدة وغير قابلة للتعديل إلا بالرجوع لإدارة المشروع		PM-MINA-02	



المقاول: دار وإعمار للاستثمار والتطوير  
المقاري

المطور: دار وإعمار للاستثمار والتطوير المقاري

الاستشاري: المناظر للاستشارات الهندسية

JEWAN - 1		اسم المشروع (Project Name): سريا الفرسان	
<b>طلب اعتماد شركة / مورد (Company / Supplier Submittal Request)</b>			
<input type="checkbox"/> معماري (ARCH.)		<input checked="" type="checkbox"/> مدني (CIVIL)	
<input type="checkbox"/> ميكانيك (MECH.)		<input type="checkbox"/> كهرباء (ELEC.)	
<input type="checkbox"/> أخرى (Others)			
(For Contractor Use) لاستخدام المقاول			
<input type="checkbox"/> إعادة تقديم (Re-submit)		<input checked="" type="checkbox"/> تقديم جديد (New Submitt)	
الموضوع (Subject):		طلب اعتماد BSCO	
رقم طلب الاعتماد (Request Number):		C/S 091	
تاريخ الطلب (Request Date):		19/02/2024	
جدول الشركات / الموردين (Table of Companies / Suppliers)			
مسلسل (No.)	اسم الشركة / المورد (Company / Supplier Title)	الهاتف (Telephone)	العنوان (Address)
1	BSCO		
2			
3			
وثائق مرفقة (Documents Attached)		البريد الإلكتروني (Email)	
Hard Copy			
اسم مهندس المقاول:		التوقيع:	
(For Consultant Use) لاستخدام الاستشاري			
ملاحظات الاستشاري (Comments): لا مانع من اعتماد (BSCO) كمورد للفرع الاصولي براميل اكوانظور الارضيات على اسبعم الاخر بالاعتماد بتصميم ومجسما جميع استنادات خاصة به كمورد وان يكونه سارية طوال فترة المشروع والالتزام بعدم توفير مواد مستحصه له صلاحية وتقديم الضمانات اللازمة وتقديم العطاء للاعتماد وفصل انه يكونه مطابقا لاصفان (كمورد) والالتزام بتعليمات الاستشاري والاصول الفنية ونسب الخلط واخره (تقديم) لدراسه الخاصة بالمورد سارية المفعول			
كود اعتماد الطلب		عدم موافقة <input type="checkbox"/>	
اعتماد <input checked="" type="checkbox"/>		اعتماد المورد لا يعني المقاول من مسؤولياته التعاقدية	
اسم المهندس المختص من طرف الاستشاري:		اسم مدير المشروع من طرف الاستشاري:	
التوقيع والتاريخ: 19/02/2024		التوقيع والتاريخ: 20/02/2024	
(For OWNER Use) لاستخدام المالك			
ملاحظات المالك (Comments):			
اعتماد مندوب المالك			
اسم المهندس /		التوقيع والتاريخ:	
الإستلام بعد إتخاذ القرار			
اسم مهندس المقاول:		التوقيع:	

■ نموذج رقم: (005)


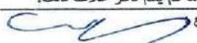


المطور : دار و إعمار للاستثمار و التطوير العقاري      المقاول : دار و إعمار للاستثمار و التطوير العقاري      الاستشاري : المناور للاستشارات الهندسية

اسم المشروع (Project Name) : سريا الفرسان	
طلب اعتماد مواد (Materials Submittal Request)	
<input checked="" type="checkbox"/> معماري (ARCH.)	<input checked="" type="checkbox"/> مدني (CIVIL)
<input type="checkbox"/> ميكانيك (MECH.)	<input type="checkbox"/> كهرباء (ELEC.)
<input type="checkbox"/> أخرى (Others)	

<input checked="" type="checkbox"/> تقديم جديد (New Submittal)	<input type="checkbox"/> إعادة تقديم (Re-submitt)
الموضوع (Subject):	
رقم طلب الاعتماد (Request Number):	M/5-091
رقم الطلب السابق (Former Request Number):	
تاريخ الطلب (Request Date):	19/02/2024
تاريخ الطلب السابق (Former Request Date):	
الشركة المعتمدة (Approved Company):	BSCO
رقم اعتماد الشركة (Company Approval Req):	
<input type="checkbox"/> المرفقات (Attachments) <input type="checkbox"/> كتالوجات (Catalogues) <input type="checkbox"/> بيانات (Data Sheet) <input type="checkbox"/> شهادات (Certificates) <input type="checkbox"/> عينات (Samples) <input type="checkbox"/> حسابات (Calculations)	

ملاحظات (Notes)	المصنع / المورد (Factory / Supplier)	بلد المنشأ (Origin)	الاسم / الوصف (Name / Description)	مسلسل (No.)
	BSCO	KSA	Multi Use Glue	1
				2
				3
				4
				5
				6
				7

يتعهد المقاول بأن طلب الاعتماد المقدم أعلاه مطابق تماما لمخططات العقد، ما لم يتم ذكر خلاف ذلك.  
اسم مهندس المقاول:  التاريخ: 

ملاحظات الاستشاري (Comments):  
# ارفقت مع اعتماد (BSCO) كغذاء لاصول و اربيد  
للكو ارفط والارضيات (مطبوقة) والالتزام بحجم فوربيد مواد مستخدمين  
الصلاحيه ونقصم الصناعات اللزيمه والاعتماد ببقية جميع اوزان و مواد  
الحدود الحكومه الخاصه وان تكون متساوية طول فترة التسليم والالتزام بطايفه  
اعتماد

اسم مدير المشروع من طرف الاستشاري:	اسم المهندس المختص من طرف الاستشاري: م. شوكية سمار
التوقيع والتاريخ:	التوقيع والتاريخ: 20.2.2024
لاستخدام المالك (For OWNER Use)	
ملاحظات المالك (Comments):	
اعتماد مندوب المالك	
اسم المهندس / التوقيع والتاريخ:	

الإستلام بعد إتخاذ القرار	
اسم مهندس المقاول:	التوقيع:
التاريخ:	

نقدم أو كترين، إن شاء الله تعالى، على العمل والتأمينات، والتوقيع، ونرجو منكم التكرم بالموافقة  
والترقية (وذلك قبل البدء بالعمل والتوقيع بالموافقة)



Supplier Approval Request					
Submittal Ref:	RAC-AEC-MK27-SAT-ARC-0024	Rev No:	00	Date:	14/02/2024
Program Title:	Developmental Housing Program of Saudi Arabia				
Project Title:	AL-SADAN, Jeddah, P1&P3, (Contract # 23001513)				
The Employer:	National Housing Company (NHC)				
Third party:	Dar Al Riyadh				
Consultant:	Al Mnabr Consulting Engineering				
Contractor:	REZAIK ABDULAH SAEID ALGEDRAWY ALSEBAITY AND PARTNERS COMPANY LTD.				

**Guidance notes:**  
The submission should only include documents which are deemed compliant with the SOPR, Applicable Codes and have been reviewed and coordinated between the Contractor and Designer (and Engineer if applicable) and should include any authorised variations/changes as instructed.

**Review Discipline:**  
 Architectural  Structural/Civil  MECH/Plumb  Elec.  Others (specify)

**Document Details:** ✓ DAR AL RIYADH Review

Notes: DAR AL RIYADH review will recommend either Objection or No Objection to each item. Non-Objected shall be issued to the NHC with the recommendation to approve. Objected shall be returned to the Contractor with an Objection report.

The Title: Pre-Qualification of Bilateral Specialized Company BSCO.

Proposed by: REZAIK AL GEDRAWY CO.	The Consultant (Designer & The Engineer)
Sign/Stamp	Sign/Stamp

S. No:	Document Title/Description:	Reference No:	Rev No:	Remarks
01	Pre-Qualification of Bilateral Specialized Company BSCO.	To supply premix building materials assisting construction stages.		Attached file

**Reviewed for compliance by:**  
Notes: The Engineer\* shall review and approve when the Supervision Consultant differs from the Designer only. DAR AL RIYADH shall only issue recommendations based upon 'No Objection' to the Client. Any 'Objections' shall be returned to the Contractor with a review report for action and may be copied to the NHC when necessary.

Official documents shall be valid during delivery Approved, Final Approval Subject to NHC Approval

THE ENGINEER*	Review Date:	14/02/2024	Rejected	Approved	Signed: Ahmed Hassan
	Print Name:	Ahmed Hassan		✓	
PMC	Recommendations to NHC Date:	18-02-2024	Objection	No Objection	Signed:
	Print Name:	Mahmmad Badier		✓	
NHC	Review Date:	28-2-2024	Objection	No Objection	Signed:
	Print Name:	A. Almuraikhi		✓	

All governmental registration, and certifications to be kept valid throughout NHC Project Execution. the Materials from this supplier shall be submitted individually for review and approval with quality Test Reports, Technical data, SASO Certification, warranty Certification, Testing Procedures to be provided and a Test to be conducted for Quality compliance. Final approval is subject to Sample, Material and Mockup approval. All installation MS & Checklist to be submitted separately for review and approval, Provide two more suppliers for review and approval.





شركة الشانبة المتخصصة للصناعة



السجل التجاري: 2511021368

### رمزك التجاري QR Code

من خلاله يمكنك التحقق المباشر من المعلومات:

- السجل التجاري
- شهادة السعودة
- شهادة الزكاة
- رخصة البلدية
- برنامج نطاقات
- الغرفة التجارية

MCgovSA  
www.mc.gov.sa

الرقم المودد: ٧٠٠١٩٠٥٣٧٦  
رقم المشاة: ٢٥١١٠٢١٣٦٨  
التاريخ: ١٤٣٥/٠٥/١٠ هـ

### شهادة تسجيل الشركة Company Registration Certificate



الاسم التجاري للشركة: شركة الشانبة المتخصصة للصناعة

نوعها: ذات مسئولية محدودة

جنسيتها: سعودي

وتنتهي في: ١٤٥٦/٠٤/٢٧ هـ

تبدأ من: ١٤٣٥/٠٩/١٦ هـ

مدة الشركة: ٢٠ سنة

مركزها الرئيسي: ٥٠٤٢، الزبير بن العوام، حي الربيع، ٧٤٦٨

ص. ب: ٠٠٢٢١٤

الرمز البريدي: ٣٩٩١٨

هاتف: ٠١٣٧٢٤٤٨٨٨

ملكية الشركة: سعودية

النشاط: للإطلاع على بيانات الأنشطة الرجاء مسح الرمز التجاري

رأس المال: ١٠٠٠٠٠٠٠٠٠ ريال سعودي

٢ مشعل عوض عاتق المطيري

١: فرز محمد فرز البجاني

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سلطات المدير/المديرين: حسب ما نص عليه عقد الشركة

بأنه تم تسجيل الشركة المذكورة أعلاه بمدينة: حفر الباطن

بشهادة مكتب السجل التجاري بمدينة: حفر الباطن

وتاريخ: ١٤٤٥/٠٨/١٥ هـ

٢٤٠٢٦١٨٧٧٠٩٥

١٤٤٦/٠٩/٢٦ هـ

بموجب الإيصال رقم:

وتنتهي صلاحية الشهادات في:



To Verify The Information Of This Certificate Visit <http://mc.gov.sa> | المملكة العربية السعودية | Kingdom of Saudi Arabia | الرياض 11162 0444 +966 11 294 0444



2823569012

11/09/2023

المديرية العامة للمشاريع والخدمات

دائرة المشاريع / قسم الدراسات والتقديرات

شهادة موافقة مبدئية

Preliminary Approval Certificate

DIRECTORATE GENERAL OF PROJECTS & SERVICES DEPARTMENT OF PROJECTS Email: <a href="mailto:projects.maintenance@moe.om">projects.maintenance@moe.om</a> P.O. BOX 3, Muscat, P.C. 100 Fax No: 24255951		المديرية العامة للمشاريع والخدمات البريد الإلكتروني: <a href="mailto:projects.maintenance@moe.om">projects.maintenance@moe.om</a> صندوق البريد 3، الرمز البريدي 100، مسقط فاكس: 24255951	
TO:	ABAO AL RABEEA TRAD. & CONT.	عقب الربيع للتجارة والمقاولات ش.م.م	الفاضل / شركة:
P. O. BOX:	614		صندوق البريد:
P. C.	111		الرمز البريدي:
Address:	Sultanate of Oman	سلطنة عمان	العنوان:
Email:	<a href="mailto:bsco.om@gmail.com">bsco.om@gmail.com</a>		البريد الإلكتروني:

Dear Sir,

تحية طيبة... وبعد،،،

**SUBJECT: PRELIMINARY APPROVAL TO "ABAO AL RABEEA TRAD. & CONT., FOR LIQUID WATERPROOFING (SIX LAYERS WITH FABRIC BRAND (BSCO) "**

الموضوع: موافقة مبدئية " شركة عقب الربيع للتجارة والمقاولات ش.م.م للعزل المائي (ستة طبقات مع القماش) تصنيع (BSCO) "

We would like to inform you that the Studies and Estimates Section at the Ministry of Education has studied your product and checked its compliance with MOE standards and specifications. Therefore, we would like to offer you a **PRELIMINARY APPROVAL (PA)** to show that you are certified to implement your product (a trial period) in one of our new or existing projects to check its performance and efficiency.

نودّ إعلامكم بأن دائرة المشاريع ممثلة في قسم الدراسات والتقديرات قامت بدراسة المنتج المقدم من شركتكم للتأكد من مطابقتها مواصفاته بما يتناسب مع المواصفات الموحدة للوزارة، وعليه فإننا نمنح شركتكم موافقة مبدئية معتمدة للمنتج المشار إليه لتوريده (فترة تجريبية) في إحدى المشاريع التابعة للوزارة سواء الجديدة أو القائمة منها للتأكد من جودة المنتج وفاعليته.

After being implemented, the product will be monitored and inspected for one year after which a final official approval will be sent to you in case all MOE requirements were met.

كما نود التنويه بأنه سيتم تقييم المنتج خلال الفترة التجريبية ومراقبته لمدة سنة كاملة وسيتم بعدها اعتماد شركتكم كمورد رسمي للوزارة في حال أظهر المنتج أداء جيداً وتطابقاً تاماً مع المواصفات الموحدة للوزارة.

Please note that this PA is just to show that your product has been inserted in our list of **Preliminary Approved Suppliers**. However, MOE is not obliged to provide you with a project to implement your product in.

كما نود التنويه أيضاً بأن هذه الموافقة هي لإبصار أنه قد تم إدراج اسم شركتكم ضمن قائمة الموردين الحاصلين على الموافقة المبدئية من قبل الوزارة، علماً بأن الوزارة غير ملزمة بتوفير مشروع من أحد مشاريعها لكي يتم تنفيذ العينة التجريبية بها.

This PA is valid for duration of one year from the issue date of this letter knowing that the Ministry has the right to cancel this certificate before the duration ends in case the product showed lower quality.

تعتبر هذه الموافقة المبدئية صالحة لمدة سنة واحدة ابتداءً من تاريخ إصدار هذه الرسالة مع العلم أن للوزارة الحق بإلغاء هذه الشهادة قبل انتهاء المدة في حالة تدهور مواصفات المنتج. شاكركم لكم حسن تعاونكم معنا.

Thanking you for your kind cooperation.



وتفضلوا بقبول فائق الاحترام والتقدير.  
عبدالله بن حميد العبيدي  
مدير دائرة المشاريع  
وزارة التربية والتعليم

Yours faithfully

**ABDULLAH HUMAID AL-ABRI**  
DIRECTOR OF PROJECTS  
MINISTRY OF EDUCATION



صفحة رقم: 1/1

الرمز: 00 / 11 / 09 / 2023 / 2823569012 / 11 / 09 / 2023 / 2823569012

رقم الإصدار: 00



TIN ٣١٠٠٥٥٦٦٢ الرقم التمييزي  
Certificate No. ٢٢٧٢٢١٢٠ رقم الشهادة  
Issue Date ١٤٤٥/١١/١٢ تاريخ الاصدار



هيئة الزكاة والضريبة والجمارك  
Zakat, Tax and Customs Authority

المملكة العربية السعودية  
Kingdom of Saudi Arabia

## شهادة Certificate

The Zakat, Tax and Customs

Authority certifies that the Taxpayer

تشهد هيئة الزكاة والضريبة

والجمارك أن المكلف /

شركة الشاتية المتخصصة للصناعة ( ذات مسؤولية محدودة )

Entity Unified No. /ID No.

٧٠٠١٩٠٥٣٧٦

الرقم الموحد للمنشأة / رقم هوية

Commercial Registration/License/  
Contract No

٢٥١١٠٢١٣٦٨

سجل تجاري / رخصة / عقد رقم

Has submitted his tax return for the period ending on 31/12/2023 AD, and he was granted the certificate to complete all his transactions including the payment of the final amount due on the contract.

The Certificate is valid until 02/11/1446 AH corresponding to 30/04/2025 AD

( The second of Dhu al-Qi'dah one thousand four hundred forty-six Hijri )

قدم إقراره عن الفترة المنتهية في ١٨/١٢/١٤٤٥ هـ، وقد منح هذه الشهادة لإنهاء جميع معاملاته بما في ذلك صرف مستحقاته النهائية عن العقود.

يسري مفعول هذه الشهادة حتى تاريخ ٢٠٢٥/٠٤/٣٠ هـ الموافق ٢٠٢٥/٠٤/٣٠ م

( الثاني من ذو القعدة ألف وأربعمائة وستة وأربعون هجري )

لا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة الإلكتروني: [www.zatca.gov.sa](http://www.zatca.gov.sa)

This certificate is not valid until verified by the Authority's Website: [www.zatca.gov.sa](http://www.zatca.gov.sa)

zatca.gov.sa 19993 @zatca...sa



هذه الوثيقة مستخرجة من النظام الآلي ولا تحتاج إلى توقيع ولا يعتد بهذه الشهادة إلا بعد التحقق من موقع الهيئة [www.zatca.gov.sa](http://www.zatca.gov.sa)





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Hafar Al-Batin - Industrial Area

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الوكيل الوحيد في الجمهورية اليمنية  
دار الأصيل للتجارة والاستيراد  
صنعاء-سعودان-دوار الأربعين  
٧٧٨٠٨٠٠٧٢-٧٧١٥٠٨٧٧٤

