



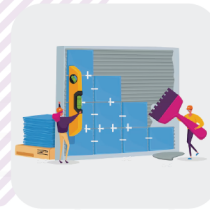
غراء لاصق متعدد الاستخدام

MULTIPURPOSE ADHESIVE GLUE



3max.com.sa

Type	Pre-mixed cementitious powder
Density Bulk	1.65 kg/l
Set time	1 DAY (ready for grouting) 2 Days (light traffic) 14 Days (heavy traffic)
Color	White & Grey
Wet density	1.95 kg/l
Mixing water	5 liter / bag 20 kg
Pot life	2 hours
Open time (EN1348)	20 minutes
adjustability	10-20 minutes
Compressive strength	16.5 MPa (after 7 days) 24 MPa (after 28 days)
Shear strength	1.4 MPa (after 7 Days) 2.4 MPa (after 28 Days)
Tensile adhesion strength (EN1348)	2.2 MPa (after 28 Days)
Shore D hardness	77-80



3MAX@3MAX.COM.SA



GERMAN TECHNOLOGY تكنولوجيا ألمانية

MAX PLUS

VISION 2030
رؤية 2030
مملكة البحرين
Kingdom of Bahrain
صناعة
سعودية
تاريخ الإنتاج: 01/01/2025
تاريخ الانتهاء: 01/01/2027
اللون المنتج: أبيض
white



PRODUCT DATA CHEET معلومات المنتج

غراء لاصق متعدد الاستخدام MULTIPURPOSE ADHESIVE GLUE



Description

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

max plus 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.
- slump-free consistency.no sag.
- suitable for all kind of ceramic tiles.
- suitable for tropical and hot climate conditions.
- Anti bacterial, anti fungus and also thermal insulated.

Standard compliance

BSCO complies with BS EN12004 as C2.

Coverage area 4 - 5 m² for 1 bag 20 KG.

الوصف

ماكس بلس متعدد الاستخدام هو منتج أسمنتى عالى الجودة مطور معالج بالبوليمر مكون من الأسمنت البورتلاندى ورمال السيليكا والمواد البوليمرية ومحسنات كيميائية لتكسبه المواصفات المطلوبة من حيث القوة وخاصة مقاومة للماء يخلط فقط بالماء ليعطى لاصق أو غراء متعدد الاستخدام للسيراميك والحجر والرخام والبورسلان والسيراميك الخاص بالمساح وكل المناطق التى تغمر بالمياه.

المميزات

- مقاوم ممتاز للماء.
- مثالي فى المساح.
- قوة التصاق عالية.
- قوام ممتاز بعد الخلط.
- مناسب لجميع أنواع البلاط والبورسلان
- مناسب للمناطق الحارة والاستوائية.
- مضاد للبكتريا والفطريات وعازل حراري.

المطابقة للمواصفات

مطابق للمواصفات البريطانية والأوروبية.
معدل التغطية من 4 إلى 5 م² لكل كيس 20 كجم.

Type	Pre-mixed cementitious powder
Density Bulk	1.65 kg/l
Set time	1DAY(ready for grouting)
	2 Days(light traffic)
	14 Days (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	10-20 minutes
Compressive strength	16.5MPa (after 7 days)
	24MPa (after 28 days)
Shear strength	1.4 MPa (after 7 Days)
	2.4MPa (after 28 Days)
Tensile adhesion strength(EN1348)	2.2MPa (after 28 Days)
Shore D hardness	77-80

النوع	مسحوق أسمنتى مسبق الخلط
الكثافة	1.65 كجم / لتر
زمن الجفاف والتصلب	1 يوم (جاهز للتروبية)
	2 يوم (حركة خفيفة)
	14 يوم (حركة ثقيلة)
اللون	رمادى أو أبيض
الكثافة بعد الخلط	1.95 كجم / لتر
المياه المطلوبة للخلط	5 لتر لكل 20 كيلو
زمن التشغيل بعد الخلط	2 ساعة
زمن التركيب بعد الخلط	20 دقيقة
زمن ضبط البلاط	من 10 : 20 دقيقة
مقاومة إجهاد الضغط	16.5 ميغا باسكال (بعد 7 يوم)
	24 ميغا باسكال (بعد 28 يوم)
مقاومة إجهاد القص	1.4 ميغا باسكال (بعد 7 يوم)
	2.4 ميغا باسكال (بعد 28 يوم)
قوة الالتصاق بالشد	2.2ميغا باسكال (بعد 28 يوم)
الصلابة (طريقة شور D)	77 - 80



غراء لاصق متعدد الاستخدام MULTIPURPOSE ADHESIVE GLUE



Technical Data Sheet

MAX PLUS

❖ Description and Classification

Max plus manufactured by BSCO ISO & SASO Certified Organization. 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 ² using 3mm notched trowel
Bond strength	2.8 N/MM ²
Pot life	3 hours
Final set	24 hours

❖ Where to Use

Max plus is suitable for general bonding of most basic type of ceramic wall and floor tiles including monocottura, 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

Max plus 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 Max plus undergo C₂TES₂ 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.

❖ Mixing the Adhesive

Mix with a mechanical stirrer by adding BSCONITE 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 4 to 5 liters of water to each 20 kg of Max plus powder to obtain the required consistency. The pot life is approximately 3 hours. If the adhesive has stiffened past a usable consistency it should not be used and discarded.

❖ Application

Max plus is applied to substrate using a notched trowel. To achieve optimum results spread a layer of Max plus 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 5M² and 10M² respectively from 20kg and 40kg bag of Max plus.

❖ Cleaning

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

❖ Storage

Max plus 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

Max plus is non-flammable

Product Code Number 002

Document Issue Date April 2015

PRODUCT DATA CHEET معلومات المنتج



غراء لاصق متعدد الاستخدام MULTIPURPOSE ADHESIVE GLUE



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مطابقة
MOTABAQAH

الشركة السعودية للمختبرات الخاصة
Saudi Specialized Laboratories Co.

TEST REPORT

Saudi Specialized Laboratories

PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE

SASO ISO 13007-1

Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	Improved Cementitious Adhesive (BSCO NITE 20KG)
Project Name	SASO Quality Marks	Sample Source	Bilateral Specialized Co (BSCO) For Industry
Project No.	NP	Sampling Method	SASO ISO 13007-2
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-21-01659A	Environmental Condition	25 °C
Date of Report	20-Oct-21	Date of Test	17-Oct-21
Source Of Material	Bilateral Specialized Co (BSCO) For Industry	Sampled Location	Riyadh K.S.A
Productin Date	NP	Casting / Application date	19-Sep-21
Type Of Substrate	10KG X2 bags (Water Amount 4.5 L/20 kg) in Concrete Substrate	Age at test	28
Date of Test	Days		

TEST RESULTS

TEST NAME	UNITS	TEST RESULTS	Specification Requirement SASO ISO 13007-1 C2 Class			
TENSILE ADHESION STRENGTH (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm ²	Pull off Strength N/mm ²	Failure mode	Test Duratin and/Or Condition	Specification Requirement SASO ISO 13007-1 C2 Class
1	3290	1963.495	1.68	AF-T	After 27 days of storage under standard conditions,	≥1.0 N/mm ²
2	3280	1963.495	1.66	AF-T		
3	3305	1963.495	1.68	AF-T		
4	3280	1963.495	1.67	AF-T		
5	3310	1963.495	1.69	AF-T		
Average	1.68					
TENSILE ADHESION STRENGTH AFTER WATER IMMERSION (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm ²	Pull off Strength N/mm ²	Failure mode	Test Duratin and/Or Condition	Specification Requirement SASO ISO 13007-1 C2 Class
1	2900	1963.495	1.48	AF-T	Normal Condition at 07 days and 20 days in water immersion	≥1.0 N/mm ²
2	3150	1963.495	1.60	AF-T		
3	2960	1963.495	1.51	AF-T		
4	3850	1963.495	1.96	AF-T		
5	2980	1963.495	1.52	AF-T		
Average	1.61					

طابقا
MOTABACA



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

1 of 2

المملكة العربية السعودية - ص.ب ٨٨٤٥٨ الرياض ١١٦٦٢
هاتف : +٩٦٦ ١١ ٨٢٧٨٠٣٤ فاكس : +٩٦٦ ١١ ٤٦٤٥٣٥٤
رقم المضيوية : ١٧٤٤٠٠٠ 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

PRODUCT DATA CHEET معلومات المنتج



غراء لاصق متعدد الاستخدام MULTIPURPOSE ADHESIVE GLUE



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مطابقة
MOTABAQAH

الشركة السعودية للمختبرات الخاصة
Saudi Specialized Laboratories Co.

TEST REPORT						
PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE						
SASO ISO 13007-1						
Customer			Sample Description		Improved Cementitious Adhesive (BSCONITE 20KG)	
Bilateral Specialized Co (BSCON) For Industry						
TENSILE ADHESION STRENGTH AFTER HEATAGEING (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm ²	Pull off Strength N/mm ²	Failure mode	Test Duratin and/or Condition	Specification Requirement SASO ISO 13007-1 C2 Class
1	3325	1963.495	1.69	AF-T	Normal Condition at 14 days and Heat ageing 14 days 70±3 °C	≥1.0 N/mm ²
2	3255	1963.495	1.66	AF-T		
3	3370	1963.495	1.72	AF-T		
4	3350	1963.495	1.71	AF-T		
5	3345	1963.495	1.70	AF-T		
Average			1.70			
TENSILE ADHESION STRENGTH AFTER FREEZE THAW CYCLE (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm ²	Pull off Strength N/mm ²	Failure mode	Test Duratin and/or Condition	Specification Requirement SASO ISO 13007-1 C2 Class
1	3030	1963.495	1.54	AF-T	Normal Condition at 07 days and 21 days in water immersion	≥1.0 N/mm ²
2	3210	1963.495	1.63	AF-T		
3	3010	1963.495	1.53	AF-T		
4	2950	1963.495	1.50	AF-T		
5	2880	1963.495	1.47	AF-T		
Average			1.54			
OPEN TIME: ADHESION STRENGTH (SASO ISO 13007-2)						
Test No.	Applied Force (N)	Area mm ²	Pull off Strength N/mm ²	Failure mode	Test Duratin and/or Condition	Specification Requirement SASO ISO 13007-1 C2 Class
5	3280	1963.495	1.67	AF-T	After 27 days of storage under standard conditions,	≥ 0.5 N/mm ² After not less than 20 min.
10	3250	1963.495	1.66	AF-T		
20	3260	1963.495	1.66	AF-T		
30	2670	1963.495	1.36	AF-T		
40	2460	1963.495	1.25	AF-T		
50	2430	1963.495	1.24	AF-T		
60	1890	1963.495	0.96	AF-T		
70	1490	1963.495	0.76	AF-T		
Tested by :EHSQ Test Variation : NIL Remark :The tested parameters of the sample comply to Satandard SASO ISO 13007-1						

AUTHORIZED SIGNATORY

CBMR-002 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 ٣٥٠,٠٠٠ ريال (مدموج بالكامل)
Closed Shareholding Co.: Fully Paid up Capital: SR 350,000,000

2 of 2

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

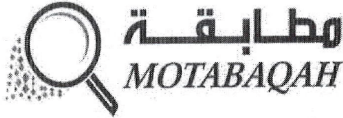
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Membership No.: 174400 C.R. No. 1010225110

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PRODUCT DATA CHEET معلومات المنتج



غراء لاصق متعدد الاستخدام MULTIPURPOSE ADHESIVE GLUE



الشركة السعودية للمختبرات الخاصة
SAUDI SPECIALIZED LABORATORIES CO.

TEST REPORT

PHYSICAL PROPERTIES OF CEMENTITIOUS TILE ADHESIVE

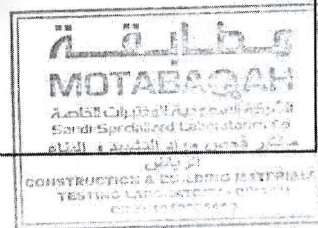
Customer	Bilateral Specialized Co (BSCO) For Industry	Sample Description	BSCO NITE WHITE
Project Name	Internal Quality Check	Sample Source	Bilateral Specialized Co (BSCO) For Industry
Project No.	NP	Sampling Method	NP
Location	Riyadh, KSA	Sampling Date	NP
Contractor	NP	Sampled by	Customer
Consultant	NP	Customer Identification	NP
CBML Project No.	CBMP-0497-19	Date Received	14-May-20
CBML Sample No.	CBM-140520-019	Sample Condition	Normal
CBML Report No.	CBMR-20-01370	Environmental Condition	25 °C
Date of Report	20-Jun-20	Date of Test	19-Jun-20
Source Of Material	Bilateral Specialized Co (BSCO) For Industry	Sampled Location	Riyadh K.S.A
Productin Date	NP	Casting / Application date	21-May-20
Type Of Substrate	Concrete Panel	Age at test	29
Date of Test	19-Jun-20	Age at Test	More Than 28 Days

Test No.	Applied Force (N)	Area mm ²	Pull off Strength N/mm ²	Failure mode	Test Duratin and/Or Condition	Specification equipment SASO ISO 13007-1 C2 – Normal cementitious adhesives
1	3745	2500	1.50	AF-T	Normal Condition at 07 days and 21 days in water immersion	>1.0 N/mm ²
2	3735	2500	1.49	AF-T		
3	3810	2500	1.52	AF-T		
4	3820	2500	1.53	AF-T		
5	3755	2500	1.50	AF-T		
Average			1.51			

Tested by : EHSQ
Test Variation : NIL
Remark : The tested parameters comply the SASO EN 13007-1 C2 – Improved cementitious adhesives (additional characteristics).

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.



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

Closed Shareholding Co.; Fully Paid Capital: S.R. 500.000.000

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