

TECHNICAL SUBMITTAL

- 1- Technical Data Sheet
- 2- Method Statement of Application
- 3- Material Safety Data sheet
- 4- Test Reports



مورا میکس
MORAMIX®



ALAMOUDI



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العمودي لمواد البناء
AL AMOUDI BUILDING MATERIALS

Fahad A. Al-Amoudi Building Materials Factory Co.

شركة مصنع فهد عبد الرحمن العمودي لمواد البناء

ABOUT US:

Fahad Abdul Rahman Al-Amoudi Factory Company for Building Materials is considered one of the leading and largest in manufacturing and executing of **BUILDING MATERIALS INCLUDING, MARBLE CHIPS, PUTTY, TILE ADHESIVE, TILE GROUT, GRAVIATO, MONCAPA, STAMPED CONCRETE; watercolor paints** and cladding throughout Saudi Arabia since 1995.

Fahad Abdul Rahman Al-Amoudi Factory Company for Building Materials owns the well-known 'gulf adhesive factory' in damam and 'Fahed al amoudi building material factory' in industrial city jeddah 3.a large facilities for producing different products of dry mortar.

Al amoudi factory produce advanced and high quality production, the company uses only well proven **SPANISH** made raw materials and chemicals.

المقدمة:

تعتبر شركة مصنع فهد عبد الرحمن العمودي لمواد البناء من أكبر الشركات في المملكة العربية السعودية المتخصصة في صناعة وتوريد وتنفيذ المواد (كسر رخام، المعجون، الغراء، التروبية، جرافيتو، اللبسات الملونة، الخرسانة المطبوعة الرقبة الأمريكية والدهانات المائية) في جميع أنحاء المملكة العربية السعودية منذ عام 1995.

تمتلك "شركة شركة مصنع فهد عبد الرحمن العمودي" المعروفة 'مصنع غراء الخليج' في الدمام ومصنع فهد عبد الرحمن العمودي لمواد البناء في المرحلة الصناعية الثالثة لمختلف المواد الاسمنتية بجودة عالية.

مصنع العمودي يستخدم أفضل المنتجات العالية الجودة بمواد كيميائية إسبانية المنشأ.

إن رضا عملائنا و سعادتهم هو أولوية بالنسبة لنا .



Jeddah

Tel 0126617172 Fax 012 6617127



C .R: 4030221586

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www.amoudi-est.com

ركة العمودي لمواد البناء خبرة كبيرة سبع وعشرون عاما في دعم الإعمار تم تأسيسها في عام 1995م. وهي شركة رائدة في صناعة منتجات تشطيبات المباني والتكسيات الخارجية ومنتجات الخرسانة المختمة وكيموايات البناء المختلفة في دول مجلس التعاون الخليجي والشرق الأوسط

Al-Amoudi Building Materials Company has a great experience of twenty-seven years in supporting reconstruction. It was established in 1995. It is a leading company in the manufacture of building finishing products, exterior cladding, stamped concrete products, and various construction chemicals in the Gulf Cooperation Council countries and the Middle East.

م بتقديم أجود المنتجات ذات القيمة المضافة لجميع العملاء والشركاء والمساهمين، إضافة إلى توفير حلول البناء المبتكرة والأمنة للبيئة ومنتجات الطلاء التي تتمتع بأفضل المعايير الدولية

Al -Amoudi factories inside the Kingdom provide the finest valuable products for all customers, partners and shareholders, in addition to providing innovative and environmental construction solutions for the environment and paint products that have the best international standards

شركة العمودي تسعى جاهدا ان تصبح رائدة على مستوى العالم في مجال الدهانات المبتكرة، والطلاء وحلول البناء، وأن تصبح كذلك الشريك الأكثر موثوقية لدى العملاء في السوق المحلي والعالمي.

Al -Amoudi company strives to become a world leader in the field of innovative paints, paint and construction solutions, and to also become the most reliable partner of customers in the local and global market

في العمودي لمواد البناء رؤيتنا تضمن أفضل المنتجات لإرضاء العملاء والمساهمة في التطوير وفق رؤية 2030

In the vertical building materials, our vision guarantees the best products to satisfy customers and contribute to development according to Vision 2030

مصانع العمودي لمواد البناء بقطاعات أعمالها الأساسية الثلاثة قدمت مجموعة كبيرة ومتنوعة من المنتجات في خدمة صناعة البناء والتشييد يتم توزيع هذه المنتجات في مجموعات المنتجات هذه:

Al -Amoudi Factors for Building Materials in their three basic business sectors presented a large variety of products in the service of the building and construction industry. These products are distributed in these products groups



MORAMIX®

مورامي-كس®



العمودي لمواد البناء
AL AMOUDI BUILDING MATERIALS



OFFICE LOCATION

C.R. 2050043811-KINGDOM OF SAUDI ARABIA
JEDDAH, AL-HAMRA DISTRICT,
PALASTINE STREET, AL-JAMJOOM COMMERCIAL
CENTER, TOWER NO. 1, GATE NO. 6
FIFTH FLOOR OFFICE NO. 30
TEL: 0500576450

FACTORY LOCATION

INDUSTRIAL CITY JEDDAH 3 LOT NO. 0280R00047
Saudi Arabia



Jeddah

Tel 0126617172 Fax 012 6617127



C.R: 4030221586

amoudi.factory@gmail.com



www.amoudi-est.com

Certificate of Registration



This is to certify that Quality Management System of

FAHED ABDULRAHMAN AL AMOUDI BUILDING MATERIAL FACTORY COMPANY

2724, PALESTIN STREET, AL HAMRA, 6315, JEDDAH, KINGDOM OF SAUDI ARABIA

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

MANUFACTURER OF PAINT AND DRY MORTARS

Certificate Number : 091222019609

To verify certificate, visit at :

www.arscert.com

<https://uafaccreditation.org>

<https://www.iafcertsearch.org/>

Initial Registration Date : 09-Dec-2022

1st Surveillance Date : 09-Nov-2023

2nd Surveillance Date : 09-Nov-2024

Certificate Expiry Date : 08-Dec-2025

Issued by ARS Assessment Private Limited


Managing Director



UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :

This certificate remains the property of ARS and must be returned to ARS on Cancellation or Suspension of the certificate. Validity of the certificate is subject to successful completion of surveillance audits. Further clarification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organisation on info@arscert.com





ACCREDITATION

FAHED ABDULRAHMAN AL AMOUDI BUILDING MATERIAL FACTORY COMPANY

This certificate has been granted upon the decision of American Standardization Organization for effective implementing of the quality Customer Satisfaction Assurance Management System

ASO : CSAMS: 1 / 2021

Certificate No. 202193

country Kingdom Of Saudi Arabia

Date of accreditation

8December 2022

Certificate expiry

7December 2025

www.asousa.org

director



AMERICAN
STANDARDIZATION
ORGANIZATION



ASO
QCMS : 2020

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

Mora Cem Skim Coat is a cementitious based powder that can be applied as a cementitious plaster which is "skimmed" (applied very thinly) in one or more coats (layers). It does not acquire its final characteristics until it has set on the desired substrate. It contains binders (both mineral and organic), mineral fillers, and various additives. It is a versatile and durable finishing material having excellent workability.

FEATURES & BENEFITS

- Improves durability of the facade by decreasing chalking, improving scrub resistance, improving resistance towards cracking, scratching and denting.
- Improves covering of pin holes and surface unevenness upto specified thickness
- Improves weathering resistance and reduces water absorption to resist algae and fungi growth
- Reduces paint consumption, and hence reduces overall cost of the paint system.
- Improves intercoat bonding ensures good adhesion substrate and overcoats.
- Recommended substrates include plastered brick/block work, concrete, light weight concrete, and rendered surfaces.
- High tensile adhesion and compressive strength.
- Reduces capillary rise of water.

PRODUCT OPTIONS

PRODUCT TYPES

- Mora Cem Skim Coat Coarse.
- Mora Cem Skim Coat Fine.

PACKAGE SIZES

25kg
powder
in paper
bags

*For projects, we supply maximum pack size by default.



MORA CEM SKIM COAT

TECHNICAL DATA & SPECIFICATIONS

COLOR	White, Grey And Colored If Needed
APPLICATION GRADE	Exterior And Interior
BULK DENSITY - WHITE	1.4
WATER GUAGING	Approx. 400-500ml Potable Water For 1 Kg Of Product Dry Mix Powder
APPLICATION THICKNESS	Depends on Product Type As Follows A. Coarse: 2-3mm Application Thickness B. Fine: 1-2mm application Thickness
POT LIFE	60-90 Mins
SETTING TIME	Initial Set 4 hours – Final Set 8 Hours
RECOATING INTERVAL	8 Hours
SHELF LIFE	8 Months In Or
COVERAGE RATE	APPROX. 1KG/1.55 M ² FOR 1MM Thickness
TENSILE ADHESION STRENGTH ASTM C 580	1.46 N/mm ²
FLEXURAL STRENGTH ASTM C 580	4.8 N/mm ²
COMPRESSIVE STRENGTH ASTM C 109/C109M	38.7 N/mm ²
DEPTH OF WATER PENETRATION BS EN 12390-8 @ 5BAR	No Penetration

*Reference surface: smoothly finished plastered masonry surface
Coverage can vary based on surface condition such as porosity and roughness. Application thickness and weather conditions such as temperature, wind factor, and humidity can also effect coverage.

PRE-APPLICATION PROCESS

- ☐☐ Allow the substrate surface to mature and cure for a month as required.
- ☐☐ The substrate has to be clean and free from loose particles, dirt, grease, and traces of foreign material.
- ☐☐ Defective substrate areas have to be refinished correctly by patching cracks and touching-up any loose concrete.
- ☐☐ Make the surface free from moisture. If dampness persists, appropriate damp-blocker needs to be applied.

APPLICATION PROCESS

- ☐☐ In case the surface is exposed to heavy winds and/or extreme heat, mildly damp the surface and let dry before application.
- ☐☐ **Mixing:** To the required potable water (approx. 400/500 ml to 1kg of dry product mix), add the product under continuous stirring for about 5 minutes till a homogenous paste is achieved using power drill mixing to yield the best results.
- ☐☐ In the case of manual mixing, add half of the required water to the dry product mix to form a lump free paste. Then add the remaining water while mixing thoroughly to obtain smooth and uniform paste. Allow the mix to stand for 5 minutes. Then, mix again and apply.
- ☐☐ **Application:** Using Plastic Trowel

coat evenly to the desired thickness within the specified range.
- ☐☐ If it is necessary, increase the thickness by applying a second coat after the first has set.
- ☐☐ To achieve an even higher degree of evenness, scrub with sanding paper.
- ☐☐ Once the final coat has set, a suitable sealer and/or a primer coat must be applied. Then finish with required top coats.



MORA CEM SKIM COAT

POST APPLICATION CARE

- ☐☐ **Mora Cem Skim Coat** is a undercoat. Hence, post application care of the system will depend on the top coat.

SAFETY & PRECAUTIONS

- ☐☐ **Mora Cem Skim Coat** is considered non-hazardous in normal usage.
- ☐☐ The presence of cement in the product contains an alkaline mortar which may cause some local irritation if prolonged contact with the skin takes place.
- ☐☐ Care should be taken to avoid inhalation or ingestion and prevent contact with the eyes.
- ☐☐ Usage of PVC or similar gloves and safety goggles is recommended.
- ☐☐ No added lead, chromium, or mercury compounds

DISCLAIMER:

We reserve the right to update this information at any time without prior notice due to continuous research & development. We also guarantee the consistent high quality of our products, however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

METHOD STATEMENT OF APPLICATION



MORA CEM SKIMCOAT

METHOD OF STATEMENT

Surface Preparation:

- ✚ The surface should be sound, clean, free from loose material, oil, grease, laitance, dirt, curing compound, etc.
- ✚ The surface is sanded to get rid of sand particles with weak adhesion.
- ✚ The surface is sprayed with clean water to get rid of any stuck-on impurities after the sanding process.

Mixing:

Mix one bag 20 kg with 9 liters of clean, cold water using an appropriate mixing machine.

Application:

- ✚ The first layer is spread on the surface using a plastic trowel with a thickness of 1 ml.
- ✚ Wait for the initial drying for approximately 2 hours.
- ✚ The first face is sanded. With a suitable sandpaper to level the surface.
- ✚ The surface is cleaned well of dust using a soft brush and then sprayed with water.
- ✚ The second side is smoothed out with a plastic trowel.
- ✚ The last side is sanded with very fine sandpaper.
- ✚ The dust is removed using a soft brush for a very good cleaning.
- ✚ The surface is washed with water and then treated for three days.

Material Safety Data sheet



SAFETY DATA SHEET

MORA CEM SKIMCOAT

Product and Company Information:

Product Information:

Product Name: MORA CEM SKIMCOAT

Physical form: Powder

Colour: WHITE

CAS No: Mixture

Composition/ Ingredient Components:

Chemical Name	CAS No.	Percentage (w/w%)
Limestone	1317-65-3	< 5
White Cement	65997 - 15 - 1	50 - 60
Sand	14808 - 60 - 7	40 - 50
Thickener		0.5 - 1.0

Hazards Information:

- Ingestion:** May cause temporary irritation to the gastrointestinal tract, especially the stomach.
- Skin Contact:** May cause irritation.
- Eye Contact:** May cause eye burning, redness, itching, and pain.
- Inhalation:** Can irritate the nose, throat, and the upper respiratory tract.

First-Aid Measures:

- In case of ingestion:** No harmful effects expected. No specific recommendations.
- In case of skin contact:** Wash with mild soap and water.
- In case of eyes contact:** Flush thoroughly with water for 15 minutes to remove particles. If irritation persists, consult physician.
- In case of inhalation:** Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside.

Fire Fighting Measures:

- Suitable extinguishing media:** Water or use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media:** Unknown
- Hazardous decomposition:** Stable at normal or room temperature.

Accidental Release Measures:

- Clean up:** Use normal clean up procedures. Wear appropriate protective equipment. Ventilate area. Shovel or scoop up material from spillage into a waste container for disposal.
- Disposal:** Follow all local, state, provincial and federal regulations. Never discharge large releases directly into sewers or surface water. Trace amounts of residue can be flushed to a drain.

Handling and Storage:

- Handling:** Avoid breathing dust while sanding. Wear the appropriate eye protection against dust.
- Storage:** Store at room temperature in a dry location. Do not use if material is hardened.

Exposure Control / Personal Protection:

- ✚ **Ingredients with limited values to be controlled:** Not indicated.
- ✚ **Local exhaust:** Recommended.
- ✚ **General ventilation:** Recommended.
- ✚ **Hand protection:** Suitable protective gloves.
- ✚ **Eye protection:** Safety/protective glasses.

Physical and Chemical Properties:

Form	Powder
Specify gravity	1.4
Colour	White
Viscosity	N/A
Odour	Odourless
Solubility in water	Insoluble
Boiling point	N/A
Flash point	N/A
Ignition temperature	N/A

Note: - Above information is not used for preparing specification of the material.

Stability and Reactivity:

- ✚ **Chemical stability:** Stable.
- ✚ **Incompatibility (material to avoid):** N/A
- ✚ **Conditions to be avoided:** Contact with incompatibles
- ✚ **Dangerous reaction:** Will not occur
- ✚ **Dangerous products of decomposition:** Stable at normal or room temperature.

Toxicological Information:

- ✚ **Acute toxicity:** Not determined
- ✚ **Irritant effect on eyes:** Irritant
- ✚ **Irritant effect on skin:** Irritant

Ecological Information:

- ✚ **Environmental toxicity:** This product has no known adverse effect on the ecology. A large discharge directly into waterways would not be expected to kill aquatic life.
- ✚ **Ecotoxicity value:** Not determined.

Disposal Consideration:

Dispose of material in accordance with Federal, State, Provincial, and Local regulations. Consult with environmental regulatory agencies for guidance on acceptable disposal practices. Never discharge directly in sewers or surface waters.

Transport Information:

- ✚ **Proper shipping name:** N/A
- ✚ **Harzard technical information:** N/A
- ✚ **Harzard class:** Not classified

No dangerous goods under the transport regulation.

Regulatory Information:

Labelling information: Not classified as dangerous goods.

Test Reports



TEST REPORT

PHYSICAL PROPERTIES OF MORA CEM SKIM COAT						
Customer	Fahad Abdul Rahman Al-Amoudi Factory Company			Sample Description	Mora Cem Skim Coat	
Project Name	Internal Quality Testing			Sample Source	Fahad Abdul Rahman Al-Amoudi Factory Company	
Project No.	Not Provided			Sampling Method	Not Provided	
Location	Jeddah, Kingdom of Saudi Arabia			Sampling Date	Not Provided	
Contractor	Not Provided			Sampled by	Customer	
Consultant	Not Provided			Customer Identification	Not Provided	
Customer Code	MIC104050/Qt-20332			Date Received	17-Jul-24	
CBML Sample No.	CBM-170724-009			Sample Condition	Normal	
CBML Report No.	CBM-170724-009			Environmental Condition	23 °C	
Date of Report	25-Aug-24			Date of Test	22-Aug-24	
Manufacturer	Fahad Abdul Rahman Al-Amoudi Factory Company			Sampled Location	Jeddah, Kingdom of Saudi Arabia	
Production date	Not Provided			Casting / Application date	25-Jul-24	
Sample Size	25 kg			Age of test days	28	
FRESH MORTAR DENSITY (EN 1015-6) & DRY BULK DENSITY OF HARDENED MORTAR (EN 1015-10)						
Test Parameter	Units	1	2	3	Average	Specification Requirement Technical Data Sheet
Fresh Mortar Density	Kg/m³	1.67	1.66	1.66	1.66	---
Dry Bulk Density	Kg/m³	1.46	1.47	1.47	1.47	---
FLEXURAL STRENGTH (ASTM 348)						
Test Parameter	Test Age (Days)	1	2	3	Average	Specification Requirement Technical Data Sheet
Maximum Load at Break (kN)	7	2.55	2.62	2.41	2.5	-
Flexural Strength (N/mm²)	7	5.98	6.14	5.65	5.9	-
Maximum Load at Break (kN)	28	4.16	4.07	3.97	4.1	-
Flexural Strength (N/mm²)	28	9.75	9.54	9.30	9.5	4.8 N/mm²



TEST REPORT

PHYSICAL PROPERTIES OF MORA CEM SKIM COAT

Customer	Fahad Abdul Rahman Al-Amoudi Factory Company	Sample Description	Mora Cem Skim Coat
Project Name	Internal Quality Testing	Sample Source	Fahad Abdul Rahman Al-Amoudi Factory Company

COMPRESSIVE STRENGTH (ASTM C109/C109M)

Test Parameter	Test Age (Days)	1	2	3	4	5	6	Average	Specification Requirement Technical Data Sheet
Maximum Load at Break (kN)	7	71.3	73.6	70.9	74.6	72.4	71.2	72.5	-
Compressive Strength (N/mm ²)	7	28.53	29.44	28.36	29.84	28.97	28.48	29.0	-
Maximum Load at Break (kN)	28	98.3	94.8	96.9	98.4	97.5	96.7	96.9	-
Compressive Strength (N/mm ²)	28	39.30	37.92	38.76	39.36	39.00	38.68	38.7	15 N/mm ²

ADHESION STRENGTH (SASO ISO 13007-2)

Test Parameter	Test Age (Days)	1	2	3	4	5	-	Average	Specification Requirement Technical Data Sheet
Adhesion Force (kN)	28	3.39	3.77	3.63	3.49	3.66	-	3.6	----
Adhesion Strength (MPa)	28	1.36	1.51	1.45	1.40	1.46	-	1.46	0.95 N/mm ²

WATER PERMEABILITY BS EN 12390-8

Test Parameter	Test Age (Days)	1	2	3	Average	Specification Requirement Technical Data Sheet
Max. Depth of Water Penetration (mm)	28	0	0	0	0	No Penetration

Tested by : MS
Test Variation : NIL
Remark : Tested Parameters are complying to the technical data sheet

AUTHORIZED SIGNATORY

(https://www.gccclsc.com) (sales@gccclsc.com)

**GCC Lab Calibration
Services Company**

شركة المختبر الخليجي لخدمات المعايرة

مختبر فحص مواد التشييد و البناء-الرياض

Construction & Building Materials

Testing Lab-Riyadh

CR No.: 1010956637

F7/ 8/01-278 Rev. 02 11/3/2024

Result related to the items tested.

This testreport shall not be reportedexcept in full, withoutthe written approval of the laboratory.

Test report meets the requirement of ILAC-G8:09/2019 Decision Rules. Binary Statement for Simple Acceptance Rule (W=0)

