

Marmoran

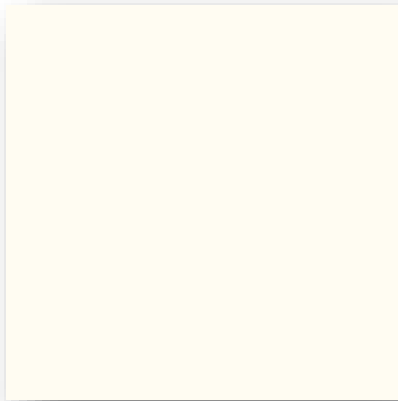
The Architects' Choice

MARMODEK

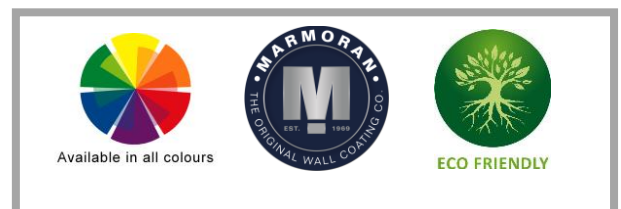
HIGH BUILD WATERPROOFING COATING



PRODUCT INFORMATION



- Excellent flexibility and elongation at break
- Has excellent abrasion resistance
- Is differentially permeable, having excellent water resistance, yet allowing the coating to "breathe"
- Has exceptional UV and weather resistance
- VOC LEVEL 5g/L
- Non hazardous, non toxic
and both environmentally and user friendly.



MARMORAN GUARANTEE

MARMORAN 5 YEAR PRODUCT GUARANTEE is issued on condition that the system is applied by a Marmoran Licensed Applicator in strict accordance to the full specification and is accepted and signed by the relevant parties. Due to the demand for the highest standard of application and finish, it must be applied by a trained applicator that is skilled and experienced.

SA National Enquiries: 0861 627 266

www.marmoran.co.za

B-BBEE COMPLIANT

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International enquiries: +27 21 797 4250

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11.12.2019

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PRODUCT CODE AC006

PRODUCT DATA INFORMATION SHEET

FEATURES & BENEFITS

Marmoran Marmodek is a superior waterproofing coating of outstanding quality and versatility and is based on a high performance pure Acrylic Resin. Marmoran Marmodek may be used to waterproof external walls, or in conjunction with a stitched polyester membrane for the waterproofing of flat roofs and flashing. A particular advantage of Marmoran Marmodek is its flexibility and elongation properties making it effective in bridging hairline cracks.

TESTED TO NATIONAL & INTERNATIONAL STANDARDS BY THREE INDEPENDENT LABORATORIES. TEST STANDARDS

ASTM D4828	Easily cleaned up to 10,000 scrubs without exhibiting wear or signs or loss of adhesion
CGRI/R+H	Superior quality pure acrylic resin ensures resistance to dirt pickup
ASTM 4060	Tough & durable with high resistance to abrasion & scuffing
ASTM G53	UV resistant to prevent excessive chalking, colour change, flaking or peeling
ISO 1519	Exhibits outstanding flexible qualities, yet hard and durable to withstand the stresses of natural expansion and contraction of the substrate
ASTM E96	Controlled water vapour permeability allows the walls to "breathe" to maintain resistance to water ingress and prevent spalling, delamination, algae and dirt retention
ISO 2409	Superior adhesion to all suitably primed substrates
SABS 170	Excellent resistance to alkali salts to prevent coating delamination and adhesion
SABS 1227	Crack bridging properties to span cracks of less than 1 mm
SABS 1586	Ability to withstand high temperatures with no signs of delamination, blistering or loss of adhesion
SABS 146	Excellent impact resistance and tensile strength
ISO 12040	Exceptional weathering, water repellency and ultraviolet resistant properties

USES

- Designed for exterior use as a waterproofing and protective coating over a wide range of substrates and coating systems. The high level of binder in the coating system enhances its hairline crack bridging properties.

COLOUR

- Available in a wide colour range

PACKAGING

- 5, 20 and 200 Litre containers.

GENERAL CONSIDERATION REGARDING APPLICATION

CLIMATIC CONDITIONS

Adequate protection should be provided against rain and sub-zero temperatures for a period of not less than 24 hours after application.

The coating should never be applied during adverse weather conditions, or on wet surfaces. Even if the weather seems fit for painting, there may be condensation if the temperature of the substrate is at or below the dew point (temperature at which the atmospheric humidity condenses e.g. as dew) the product should only be applied when the temperature of the substrate is at least 2 deg C above dew point. In hot climates, the coating should be applied during the morning and late afternoon hours and if possible away from direct sunlight. Variations in temperatures will affect drying times.

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APPLICATION CRITERIA

- Please refer to our notes on **BEST PRACTICES FOR SURFACE PREPARATION**.
- **Inspect the substrate** The plaster should be a fine wood float finish and adequate time should be allowed for it to cure prior to the application of any specialised, semi-specialised coating or paint.
- **Prepare the substrate** appropriately to ensure that the surface is clean, dry and sound.
- Ensure that the **scaffold** be positioned at a comfortable distance away from the surface so that application technique is not compromised. (400-600mm).
- **Expansion/control joints** should be sealed before painting and should be finished with a compound which will accept water based finishing products. A suitable Marmoran Primer may then be applied directly over these joints.
- **Batch control** it is the responsibility of the contractor to ensure colour consistency. It is recommended that sufficient material to complete the project be ordered where possible to eliminate possible colour variation. Where this is not practical, sufficient material to complete an elevation should be ordered with any excess used as the first coat on the subsequent elevation.
- **Check** spread rates & tools.
- The product is supplied ready for use. **DO NOT THIN**. Mix gently with a flat paddle before and during application. Clean with water.

PANEL SIZES AND JOINTING

(Please note this specification is for tape joints only and not for structural joints)

- **Tape Joints** should ideally create panels of not larger than 20m². If panels are larger, the applicator cannot guarantee consistency in the finish as it becomes increasingly difficult to “keep a wet edge”.
- **Standard tape joint specifications:** Instate tape joints in approved colour as per marked up elevations using plumb lines and a builders level. Ensuring that all specifications are strictly adhered to. Apply 1 coat Marmoran RBP or RLP primer, followed by 2 coats of Marmoran Marmoclad pure acrylic in bands of 75mm to approved architectural layout prior to the application of the specified Marmoran topcoat.
- Allow the correct drying time, 12 to 24 hours, of the Marmoclad between coats. Ensure the second coat of Marmoclad has fully cured before covering with the masking tape.
- Apply the correct size masking tape over the cured topcoat of Marmoclad.
- Re-prime either side of the masking tape over the Marmoclad. Apply the finishing coat
- After one-hour peel off the masking tape carefully and tidy edges

GENERAL NOTES

1. Tape joints are available in standard masking tape sizes: 12mm, 18mm, 24mm, 36mm, 48mm.
2. Tape joints can be instated for aesthetics or to create a feature and to keep panels to a more manageable size. We suggest keeping panels smaller than 20m² but each product has varying properties so we suggest consulting with the Marmoran sales on a project by project bases.

APPLICATION METHOD without membrane

- This product is self priming
- Apply 2 coats of **Marmoran Marmodek** tinted to the required colour by spray, roller or brush as per the approved colour at a spread rate of 4-5 m² / L / coat. Allow for drying time between coats.
- **Wet Film Thickness:** 250-200µ per coat **Dry Film Thickness:** 110-88µ per coat.

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APPLICATION METHOD with membrane to Waterproof Flashing Details:

- Apply 1 coat Masonry Primer.
- Apply a **BASE COAT** of Marmoran Marmodek as supplied at a spread rate of **1 m² / L**
- Bed the Marmoran Marmodek membrane lightly into the wet coating and then apply a **SATURATION COAT** at a spread rate of **2 m²/L**.
It is preferable to work in 1 metre lengths by the width of the membrane. If the membrane becomes saturated with rain, allow to dry out completely before proceeding further.
- Apply a **FINISHING COAT** of Marmoran Marmodek to complete the system at a spread rate of **4m² /L**

SPECIFICATION

NEW WORK

Prepare the substrate appropriately to ensure that the surface is clean, dry and sound.

Inspect the substrate: The plaster substrate must conform to a smooth and even finish. This can be achieved with a fine wood float or we recommend a steel float finish. Adequate time should be allowed for it to cure [confirm a moisture reading of <15%: this may take from 7-21 days, depending on weather conditions] prior to the application

Apply 1 even coat of the appropriate **Marmoran Primer**.

Apply the **Marmoran MARMODEK** as per the manufacturer's instructions.

REDECORATION

Prepare the surface by removing all loose and flaking paint, dirt, grease and grime. Make good all cracks and defects, then repair and prime to match the existing surface. Proceed as for new work.

PRODUCT DATA

Composition	Pure Acrylic Copolymer Resin Additives, Pigments, Extenders
Solvent Type	Water
%Volume Solids	44% ± 2%
% Mass Solids	57% ± 2%

VOC LEVEL

5g/L 0.4%

Drying Times @ 25 deg C, 65% RH (see note 1)

Surface Dry	2 hours
Hard Dry	6-12 hours
Over coating Time	12-24 hours

Note 1: Higher temperatures will accelerate the drying times (± halved for every 10 ° C increase)

Lower temperatures will retard the drying times (±doubled for every 10 °C decrease)

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Theoretical Spreading Rates (see note 2)

1. without membrane

4-5 m² / L / coat

Wet Film Thickness: 250-200μ per coat

Dry Film Thickness: 110-88μ per coat

2. with membrane

Base Coat

1 m² / litre

Saturation Coat

2 m² / litre

Finishing Coat

4 m² / litre

Note 2: This figure is indicative, and subject to applicator skill and substrate type and condition. Actual spread rates must therefore be determined by the Applicator.

Shelf Life and Storage

6 - 8 Months in unopened containers. Store in a cool dry and well ventilated place away from excessive heat or open flame. Do not allow to freeze.

TRANSPORT:

This product is non hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996)

HANDLING & SAFETY

This product is water based and non-toxic. Keep out of reach of children. It does contain chemicals that may be irritants to mammalian tissue. Appropriate protective clothing must be worn. Protect eyes and skin from exposure. If the product is being sprayed, ensure adequate ventilation and ensure the use of proper ventilated masks. Wash spillages immediately with water. Do not induce vomiting if swallowed. Consult a physician if irritation of skin persists or if product is ingested. Gather up environmental spillages, and dispose of in accordance with regulations of the local authorities.

DISCLAIMER:

All information contained herein is given in good faith, based on our specialised knowledge and experience. We reserve the right to effect changes to product and specification alike in the interest of product development and improving technology.