

Marmoran

The Architects' Choice

ELASTOCOAT

OUTSTANDING FLEXIBILITY AND ELASTICITY. IT HAS THE ABILITY TO SPAN A CRACK AS IT EXPANDS WHEN TEMPERATURE INCREASES, WHEN THE CRACK CONTRACTS DUE TO LOWER TEMPERATURES, THE COATING WILL RETURN TO IT'S ORIGINAL FORM WITHOUT WRINKLING BECAUSE IT HAS A "BUILT IN MEMORY".



PRODUCT INFORMATION

- Unique crack bridging and spanning properties.
- Designed for exterior use on suitably prepared masonry substrates.
- It has the ability to be applied in thick films and is cured by natural ultra violet light (sunlight).
- Easy to keep clean as the high build velvet smooth finish has excellent resistance to dirt pick-up.
- Eco friendly, water based, LOW VOC LEVEL [19g/L]
- Made to order, supplied ready to use.



MARMORAN GUARANTEE

MARMORAN 10 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.

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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 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
SABS 1227	Crack bridging properties to span cracks of less than 1 mm

USES

- Designed for exterior use as a protective and decorative coating on suitably prepared masonry substrates.

COLOUR

- Available in a wide colour range

PACKAGING

- 5 & 20 L containers

GENERAL CONSIDERATION REGARDING APPLICATION

SITE SURVEY REPORTS

Site Survey Reports and Records are to be completed prior to product application, during the application and on completion of the project so that the relevant documentation is available for processing the Guarantee.

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, 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 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.
- The product must be applied in strict accordance to the Manufacturer's System and Specification.
- 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 of any specialised, semi-specialised coating or paint.
- **Prepare the substrate** appropriately to ensure that the surface is clean, dry, sound and free of defects.
- Ensure that the **scaffold** be positioned at a comfortable distance away from the surface so that application technique is not compromised (400-600mm).
- **Sealing of expansion/control joints** - we recommend the use of sealant compatible with the specified Marmoran product, a suitable Marmoran Primer may then be applied directly over these joints.
- We strongly recommend the use **tape joints** to create paneling and so to **avoid dry joints, this is particularly important when applying the product over a large area.**
- **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 & patterning.
- Supplied **ready for use**, do not thin. **Clean with water.**

APPLICATION METHOD

- Prepare substrate by removing all loose and friable particles. Stop and fill appropriately seal any cracks greater than 1.5 mm with a good quality acrylic latex caulk or sealant. Ensure that the surface is clean, dry and sound
- If required, apply 1 coat of Marmoran Universal Primer and allow to cure.
- Apply the **first** coat of Marmoran Elastocoat, **thinned with 5% water** [1 litre water to the 20 litre Elastocoat] with either a **long-nap roller** [followed by back rolling] OR a brush or power spraying
- Apply the **second** coat followed by back rolling to give a final DFT of 400 microns. Allow for drying between coats.
- The product is supplied ready for use. Mix gently with a flat paddle before and during application.
- The system must be applied in strict conformance to the manufacturers' instructions.

SPECIFICATION FOR MARMORAN ELASTOCOAT SYSTEM

NEW WORK

Prepare substrate by removing all loose and friable particles. Stop and fill appropriately seal any cracks greater than 1.5 mm with a good quality acrylic latex caulk or sealant. Ensure that the surface is clean, dry and sound. If required, apply 1 coat of Marmoran Universal Primer and allow to cure. Apply **Marmoran Elastocoat** [ASTM E96 Compliant: Controlled Water Vapour Permeability] as per the Manufacturers' application instructions.

This Marmoran Coating System Has 10 Year International Guarantee Underwritten by A Third Party. It is issued on condition that it has been 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.

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REDECORATION

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

SPREAD RATE CONVERSION TABLE

SPREAD RATE	WET FILM THICKNESS [WFT]		DRY FILM THICKNESS [DFT]		WIDTH OF HAIRLINE CRACKS COVERED (MAXIMUM)	
	m ² / litre	micron	mm	micro	mm	micron
1.0	1000	1.0	480	0.48	1440	1.44
1.5	667	0.67	320	0.32	960	0.96
2.0	500	0.5	240	0.24	720	0.72
2.5	400	0.4	192	0.19	576	0.58
3.0	333	0.33	160	0.16	480	0.48
3.5	286	0.29	137	0.14	411	0.41
4.0	250	0.25	120	0.12	360	0.36
4.5	222	0.22	107	0.10	321	0.32
5.0	200	0.2	96	0.096	288	0.29
5.5	182	0.18	87	0.087	262	0.26
6.0	167	0.17	80	0.080	240	0.24

PRODUCT DATA

Composition: Inert Pigments, Fillers and additives dispersed in an Acrylic Copolymer Resin.

Solvent Type Water

Solids Volume: 48% ± 2% **Mass:** 61% ± 2%

VOC LEVEL 19g/L 1.50% The GREEN SEAL STANDARD is 50g/L [3.8%] for flat coatings.

Drying Times **Surface Dry:** 4hours, **Hard Dry:** 16-24 hours. **Over coating Time:** 16-24hours

@ 25 deg C, Full curing: 7 days

65% RH: Higher temperatures will accelerate the drying times (approximately halved for every 10 deg C increase)

Lower temperatures will retard the drying times (approximately doubled for every 10 deg C decrease).

Theoretical 2 - 2.5 m² / L / coat. **Wet Film Thickness:** 500-400µ per coat.

Spread rate: **Dry Film Thickness:** 240-192µ per coat.

This figure is indicative, and subject to applicator skill and substrate type and condition.

Actual spread rates must be determined by the Applicator.

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

Transport Non- hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996)

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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.