Marmoran
Natural Protection
CUSTOMISED WALL COATING SYSTEMS

MARMOCLAD

AN ULTRA PROTECTIVE & ULTRA FLEXIBLE BARRIER COATING TO PROTECT AGAINST ALL WEATHER CONDITIONS WHILE EFFFECTIVELY BRIDGING HAIRLINE CRACKS

PRODUCT INFORMATION

- Designed for exterior use
- Mid sheen & easy to clean
- Extremely tough and durable
- Effective in bridging hairline cracks.
- May also be used in conjunction with fibre glass tissue or stitched polyester membrane
- Excellent weather, water and ultraviolet resistance
- Has excellent impact and abrasion resistance
- Minimal VOC LEVEL
- Environmentally and user friendly
- Nonhazardous and non-toxic
- Water based, low odour, quick drying

***Marmoran Guarantee:**
10 year guarantee against chipping, flaking, peeling, cracking and excessive fungi & algae growth plus a 15 year film thickness guarantee.
*T&C's Apply
The specification for the product application must be strictly adhered to by a Marmoran Appointed Applicator and the Guarantee Compliance Procedures must be met.

Available in all colours | NCS Natural Color System® | ECO FRIENDLY | SABS APPROVED SANS 1586 GRADE 2

PRODUCT CODE AC015 **PRODUCT DATA INFORMATION SHEET**

PRODUCT DESCRIPTION a superior quality aqueous coating based on a high performance pure acrylic resin with built in fibres which enhances the flexibility and elongation properties which are effective in bridging hairline cracks

- low water vapour permeability
- provides sufficient film build to promote its unique water resistance property by providing an elastomeric barrier to water vapour.
- the coating may further be reinforced by the encapsulation of a fibre glass tissue OR stitched polyester membrane in the primary coat thus providing multidimensional stability and enhanced protection even with movement of the substrate behind the coating.

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 for a wide variety of new or previously coated surfaces that have been suitably prepared and primed. This includes cement plasters, concrete, fibre cement, ceiling boards, off shutter concrete, highly porous surfaces, gypsum, metal & wood.
- for use on vertical surfaces, flat & pitched roofs, parapets, gutters and flashings etc.

COLOUR

- Available in a wide variety of colours.

PACKAGING

- Packed in 1, 5, 20 & 200 L

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 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, r 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.

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.**
- **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 and patterning.
- The product is **supplied ready for use. DO NOT THIN. Clean with water**

APPLICATION METHOD

- Apply 1 even coat of the appropriate **Marmoran Primer** or self-prime [thinned with 10% water]
- Allow to cure.
- Apply 2 coats of **Marmoran Marmoclad** by roller or brush as per the approved colour.
- Spread rate: **6-8m²** / L / coat
- Allow for drying time between coats.
  Wet Film Thickness: 167-125µ per coat **Dry Film Thickness:** 73-55µ per coat
- The system must be applied in strict conformance to the manufacturers' instructions.

APPLICATION METHOD WITH FIBRE GLASS TISSUE OR STITCHED POLYESTER MEMBRANE

- Apply 1 even coat of the appropriate **Marmoran Primer** or self-prime [thinned with 10% water]
- Allow to cure.
- Apply a **BASE COAT** of **Marmoran Marmoclad** as supplied at a spread rate of **1 m² / L** and **bed** the membrane lightly into the wet coating.
- 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.

- Allow to cure.
- Apply a **FINISHING COAT** of **Marmoran Marmoclad** to complete the system at a spread rate of **4m² /L**

SPECIFICATION for MARMORAN MARMOCLAD

Prepare the substrate appropriately to ensure that the surface is clean, dry and sound and free of defects.
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 Marmoran Marmoclad SABS 1586 GRADE 2 as per manufacturer's specification to match the approved **Marmoran Sample Reference Number: S/_____**.

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.

PRODUCT DATA

Composition	Pure Acrylic Copolymer Resin Additives, Pigments, Extenders
Solvent Type	Water
Solids	Volume 44% ± 2% Mass 57% ± 2%
VOC LEVEL	**10 g/L 0.75% The GREEN SEAL STANDARD is 50g/L [3.8%] for flat coatings.**
Drying Times @ 25 deg C, 65% RH	**Surface Dry:** 2 hours **Hard Dry** 6- 12 hours **Over coating Time** 12- 24 hours **Full curing** 7 days Higher temp will accelerate the drying times (± half for every 10°C increase) Lower temp will retard the drying times (± doubled for every 10°C decrease)
Theoretical Spreading Rates	6-8m² / L / coat Apply two to new surfaces so as to achieve complete obliteration. 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.