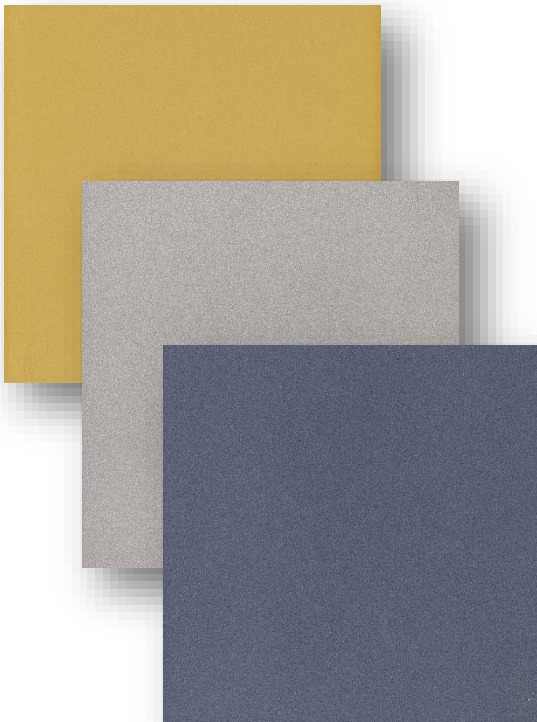


Marmoran

The Architects' Choice

METALLICA

CREATE AN ILLUSION ADD INTEREST AND DIVERSITY, BE INSPIRED BY THIS SHIMMERING COLOUR SELECTION. LIGHT STRIKING OF A SURFACE CREATES THE UNEXPECTED ILLUSION OF COLOUR & MOVEMENT!



PRODUCT INFORMATION

- An extremely durable water based metallic coating.
- Designed for interior and exterior use as a decorative and protective coating over a wide range of suitably prepared substrates such as exterior concrete and plaster, steelwork, timber doors, window frames, furniture, kitchens, bathrooms etc.
- Available in a superb range of 40 colours.
- Sealed with a glaze to further enhance and protect.
- Eco friendly, water based, LOW VOC LEVEL.
- Made to order, supplied ready to use.
- Spray application.



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B-BBEE COMPLIANT

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THE SYSTEM COMPRISES OF

1. Marmoran Metallica Universal Primer [tinted to close to the finishing coat]
2. Marmoran Metallica Smooth or Marmoran Textured Aluminium
3. **An Optional Glaze-coat:** Marmoran Metallica Aquaclear Glaze or Marmoran Hydrothane PU221 [for high traffic areas] to provide enhanced protection of the coating while at the same time adding a subtle dimension to the finish.

Please note: the glaze will affect the final colour appearance of the product.

PRODUCT CODES

MET/UP1	Metallica Universal Primer	
MET/SM	Metallica Smooth Aluminium	
MET/TX	Metallica Textured Aluminium	
MET/AC1	Metallica Aquaclear Glaze coat	[SATIN or GLOSS]
PU221	Hydrothane 221 Glaze coat	[SATIN OR GLOSS]

PRODUCT DESCRIPTION

Marmoran Metallica Coating System is an extremely durable **water based enamel**. This metallic coating consists of a proprietary acrylic polymer which incorporates a high quality **metallic pigment**.

It produces a superb finish with a metallic lustre. Like a chameleon that changes colour according to its surroundings, light striking a surface coated with Metallica creates the unexpected illusion of colour movement.

FEATURES & BENEFITS

- Non yellowing • Fast drying • Low odour
- Excellent weather and ultra violet resistance.
- Excellent adhesion to a variety of substrates.
- Extremely tough and durable
- Excellent abrasion resistance.
- **LOW VOC LEVEL**
- Water based, therefore user and environmentally friendly.

AVAILABILITY

- Made to order. Supplied ready for use. DO NOT THIN.
- It is available in two variations, either as Smooth or as Textured.

PACKAGING

- Packed in 1 and 5 litre containers.

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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.

APPLICATION CRITERIA

The product can be applied by brush, spray or roller – depending on the desired finish.

- Prepare substrate by removing all loose and friable particles. Stop and fill appropriately. Ensure that the surface is clean, dry and sound. Fill any imperfections. **It is important to sand to a smooth finish and dust off as the product will take on the profile of the substrate so it is essential that the substrate is of the desired finish.**
- Care must be taken during application. Paint opposite walls first to avoid marking in the corners.
- Avoid touch-ups as differences in appearance may be apparent
- The products are supplied ready for use.
- Stir thoroughly before use.
- Thinning is not recommended unless so specified.
[In hot dry conditions thin with up to 5% Marmoran Metallica Retarder Thinners]
- Mix with a flat paddle before and during application.
- Clean with water.
- **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.

Notes on spray application:

Spray apply in circular motions. [Application by brush or synthetic fibre roller is only recommended for very small areas.] Correct orientations of the metallic flakes are critical to achieve the best finish, particularly when cutting in so as not to affect the final finish.

For small areas use HVLP spray equipment, a gun with a 51 thou (1.3mm) tip.

For large areas, a pressure pot system with a conventional or internal mix gun is recommended. Hold the gun 60cm from the surface to be sprayed, with the final layer approximately 80 cm away.

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APPLICATION METHOD

- Prepare substrate by removing all loose and friable particles. Stop and fill appropriately. Ensure that the surface is clean, dry and sound. Fill any imperfections. **It is important to sand to a smooth finish and dust off as the product will take on the profile of the substrate so it is essential that the substrate is of the desired finish.**
 - Apply 1 coat of Marmoran Metallica Universal Primer. On porous surfaces thin first coat 10% with water and follow with second coat un-thinned Primer and allow to cure. Spread rate of 8-10m² / L / coat.
 - Apply 2 to 3 coats of Marmoran Metallica at a spread rate of 10-12m² / L / coat. Allow two hours drying time between coats.
 - **If a glaze is required:**
 - Apply 2 coats of Marmoran Metallica Aquaclear. Allow two hours drying time between coats. Spread rate of 8-10m² / L / coat, so as to achieve complete obliteration.
- OR**
- Apply 2 coats of Marmoran Hydrothane 221 [see the relevant TDS for this product] Spread rate of 8-10 m² / litre / coat, so as to achieve complete obliteration.

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SPECIFICATION FOR MARMORAN METALLICA SYSTEM

Prepare substrate by removing all loose and friable particles. Stop and fill appropriately. Ensure that the surface is clean, dry and sound. Fill any imperfections. **It is important to sand to a smooth finish and dust off as the product will take on the profile of the substrate so it is essential that the substrate is of the desired finish.**

Apply the Marmoran Metallica Universal Primer. Apply the Marmoran Metallica to the specified colour. If required seal with the appropriate Marmoran Glazecoat

PRODUCT DATA

Composition Anti corrosive & inert pigments dispersed in an acrylic resin. Titanium Dioxide, Metallic pigments, fillers & additives dispersed in a new generation acrylic resin. Adhesion promoted pure acrylic resin & additives Poly isocyanate acrylics polyol emulsions.

Solvent Type	Water			
%Volume Solids	36% ± 2%	40% ± 2%	44% ± 2%	30 ± 2%
% Mass Solids	48% ± 2%	44% ± 2%	44% ± 2%	30 ± 2%

Drying Times Surface Dry 1 to 2 ,4 to 5 ,4 to 5 ,2 / Hard dry 4 ,9,2 ,12

@ 25 deg C, 65% RH Higher temperatures will accelerate the drying times [\pm halved for every 10 deg C increase]
Lower temperatures will retard the drying times [\pm doubled for every 10 deg C decrease]

Over coating dry	4	2	2	12 to 24
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Spread rate: This figure is indicative, and subject to applicator skill and substrate type and condition.
Actual spread rates must therefore be determined by the Applicator
8-10m² / L / coat 10-12 m² / L / coat, 8-10m² / L / coat, 8-10 m² / litre / coat

Wet Film Thickness 125-100 μ per coat, 100-83 μ per coat, 125-100 μ per coat, 125-100 μ per coat

Dry Film Thickness 45-36 μ per coat, 40-33 μ per coat, 55-44 μ per coat, 38-30 μ per coat

Number of coats to achieve complete obliteration of the substrate 1 to 2 2 to 3 2 1 to 2

VOC LEVEL 16 g/L 2% 22 g/L 2.13% 35 g/L 2.60% 2 g/L 0.19% 335g/L 33%

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.