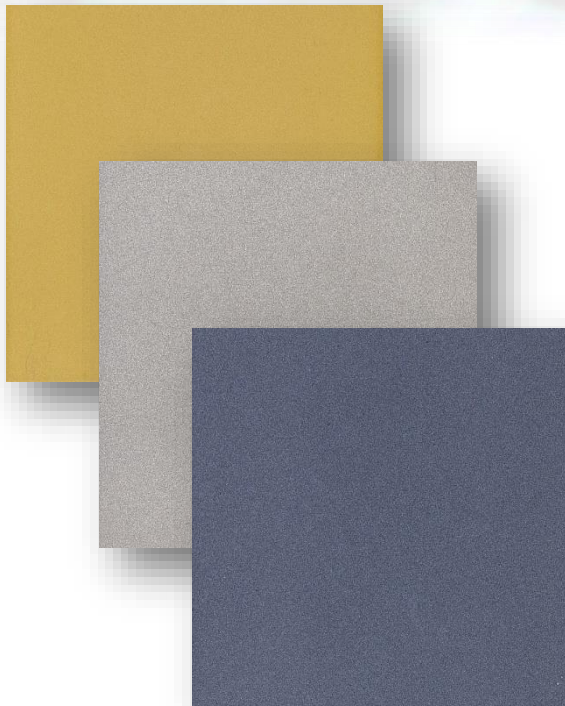
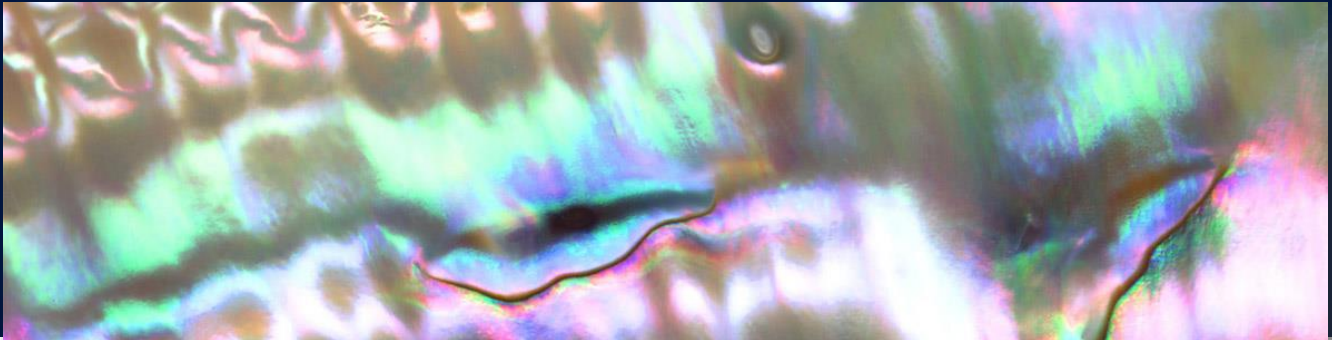


CREATE AN ILLUSION ... ADD INTEREST AND DIVERSITY...

BE INSPIRED BY THIS SHIMMERING COLOUR SELECTION.

LIGHT STRIKING 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, skirtings, 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.



PRODUCT DATA INFORMATION SHEET

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 Glazecoat:** 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, GLOSS or PERLESCENT] |
| 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.

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.

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.

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.
- 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.

APPLICATION METHOD

- Prepare substrate by removing all loose and friable particles. Stop and fill appropriately. Ensure that the surface is clean, dry and sound. (See Marmoran Best Practices Surface Preparation). Fill any imperfections. It is important to sand to a smooth finish and dust off. 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 unthinned 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 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 1 to 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.

SPECIFICATION

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. 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

| | Metallica Universal Primer | Metallica Smooth | Metallica Textured | Metallica Glaze | Hydrothane 221 |
|--|--|---|-------------------------------|--|---|
| 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 [hours]@ 25 deg C, 65% RH | Higher temperatures will accelerate the drying times [± halved for every 10 deg C increase] Lower temperatures will retard the drying times [± doubled for every 10 deg C decrease] | | | | |
| Surface Dry | 1 to 2 | 4 to 5 | | 4 to 5 | 2 |
| Hard dry | 4 | 9 | | 2 | 12 |
| Over coating dry | 4 | 2 | | 2 | 12 to 24 |
| 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 | | | | |
| | 8-10m ² / L / coat | 10-12 m ² / L / coat | | 8-10m ² / L / coat | 8-10 m ² / litre / coat |
| Wet Film Thickness | 125-100 µ per coat | 100-83µ per coat | | 125-100µ per coat | 125-100µ per coat |
| Dry Film Thickness | 45-36 µ per coat | 40-33µ per coat | | 55-44µ per coat | 38-30µ 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.