

TECHNICAL DATA SHEET

PRODUCT: Frescoat Metal Coat

1. DESCRIPTION

Frescoat Metal Coat is a Non-Toxic environmentally friendly high performance interior and exterior premium water based metal top coat. Suitable for use on **mild steel, galvanized** surfaces. This unique silicon modified pure emulsion coating has been engineered to act as a one-way membrane, allowing moisture to escape to the surface while preventing moisture ingress into the treated substrate. When cured **Frescoat Metal Coat** has excellent bonding properties that forms a tough protective film over the substrate allowing protection against extreme tropical conditions such as salt spray, high rainfall, heat, moisture, UV rays, micro organisms, abrasion and chemical exposure while allowing to flex with the steel. **Frescoat Metal Coat** is safe and easy to apply compared to conventional paint. When used with **Frescoat Prep1M** as a primer creates a durable coating system.

2. USES

Typically applied as a decorative finish on **metal structures**.

Frescoat Metal Coat can be applied internally and externally and with **low VOC** content should be the coating of choice in the following environments such as **Hospitals, Domestic homes** where **asthmatics** and those with **hypersensitivities** and **allergies** are a problem, **Day Care Centers, Restaurants, Cafes, Bars, Hotels** etc.

3. ADVANTAGES

- | | |
|--------------------------|----------------------------|
| ~ UV Resistance | ~ Non-toxic |
| ~ Low VOC | ~ Zero Formaldehyde |
| ~ Anti fungus | ~ Odourless |
| ~ Waterproofing property | ~ Fire Retardant |
| ~ Corrosion Resistance | ~ Acid & Alkali Resistance |
| ~ Flexibility | ~ Abrasion Resistance |
| ~ Rust Preventative | ~ Clean up with water |
| ~ Easy Application | ~ Dry Quickly |

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4. TECHNICAL DATA

Ingredients: Acrylic Polymer, Pigments, Aqueous Dispersion Binder & Water
Colour: Various Colours

Acid Resistance Test : BS EN ISO 2812-1:2007 -	No effect
Neutral Salt Spray Test : BS EN ISO 9227:2012	No effect
VOCs Test : USEPA Method 24 -	<50g/L
Lead Cadmium and Mercury Content : USEPA Method 3051A / USEPA Method 6020 -	<1 ppm
Formaldehyde Content : ASTM D6191-97 R03 -	<0.001%
Fire Test : BS 476:Part 6:1989+A1:2009 - : BS 476:Part 7:1997 -	Class 1 Class 1
Elongation : BS 903:Part A2:1995 -	>300%
Dry Film Thickness (Recommend)* :	80-100 microns
Surface Dry Time @ 23+/- 2°C – 50+/-5%H* :	30 mins (Touch & Recoat)
Hard-Dry Time* :	7 days
Coverage [#] : Frescoat Prep1M 1L / 10-12m ² (1 coat) Frescoat Metal Coat 1L / 10-12m ² (1 coat)	

*The dry time will be effected by the lower temperatures, high humidity, ventilation and the film thickness.

[#]The coverage will be effected by the rude/smooth surface.

5. Surface Preparation

General – All surfaces to be painted should be free from oil, fats, flaking or poorly adhering paint. Abrasive sand papers should be used if not sandblasting or high pressure jet washing to ensure the surface is thoroughly rinsed off prior to application. Cement-sand renderings/Concrete should be allowed to cure prior to coating.

Stir or shake contents thoroughly prior to application.

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6. Surface Temperature

Temperature over 10°C
Humidity not over 85%

7. Application

No mixing & thinning necessary.
Direct to use after opening.
Method: Brush, Roller or Spray

Primer: **Frescoat Prep1M** 1 coat
Finish: **Frescoat Metal Coat** 2 coats
After Primer, the Finish Recoat time: within 48 hrs

8. Clean Up

Wash painting tools in warm water immediately after use.

9. Storage

Store in cool place and out of direct sunlight. Keep containers closed when not in use – check regularly for leaks.

Shelf Life: 36 months

10. Disposal Considerations

For small quantities: Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty paint containers should be left open in a well ventilated area to dry out. When dry recycle the container via plastic recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

For large quantities: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land and waste site.

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11. Health and Safety Precaution

Ensure good ventilation during application and drying of paint. Avoid direct contact with sensitive skin. Use appropriate personal protective equipment.
Refer to the product Safety Data Sheet for more information.

FIRST AID: In case of eye contact, flush immediately with plenty of water; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.