

PRODUCT DATA

METAL CLADDING PRIMER

Andrews Coatings Ltd
Carver Building
Littles Lane
Wolverhampton
West Midlands
WV1 1JY

Tel. 01902 429190

info@mathysdirect.co.uk
www.mathysdirect.co.uk

DESCRIPTION

MATHYS® Metal Cladding Primer is a water dilutable coating based on a modified styrene acrylic copolymer and specially designed for application on weathered metal cladding.

MAIN PROPERTIES

Easy to apply - Quick drying - Can be applied on all metal substrates including galvanised metal and plastisol - Lead- and chromate free.

RECOMMENDED USES

MATHYS® Metal Cladding Primer can be used on a wide variety of substrates like bare or blasted steel, galvanised steel, zinc, aluminium and steel protected by plastisol.

The Metal Cladding Primer is primarily intended for brush application and can also be applied by roller and spray. It provides corrosion protection under light industrial exposure conditions, if followed by a coat of MATHYS® Metal Cladding Topcoat.

On bare or blasted steel two coats of Metal Cladding Primer should be applied prior to the application of the Metal Cladding Topcoat.

TECHNICAL DATA

Appearance: Matt finish
Colour: Light grey
Density: 1.29 kg/l
Solids Content: 43.7% by volume ± 0.6
Viscosity: 95 - 105 KU /Krebs Stormer Units at 20°C
Recommended film thickness: 35 µm dry, equals 80 µm wet

VOC-content: 14 g/l max.
Ready-for-use mixture: 14 g/l max.
Category: A/i
EU Limit values: 150 g/l (2007) / 100 g/l (2010)

Drying times	20°C/50% r.h.	10°C/60% r.h.	30°C/50% r.h.
To touch:	30 minutes	1 hour	15 minutes
To handle:	1 hour	2 hours	30 minutes
To recoat:	After 1 hour	After 6 hours	After 1 hour
Full hardness	3 days	5 days	2 days

Heat resistance: 80°C (dry heat)

Coverage

Theoretical: 12.5 m²/l at 35 µm dry
Practical: Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

SURFACE PREPARATION

Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning in combination with appropriate detergents.

For optimum results remove rust, rust scale, mill scale and deteriorated coatings by abrasive blasting to Sa 2½ (ISO 8501-1: 1988), blast profile max. 50 µm.

If blasting is not possible remove loose rust and loose coatings by scraping and/or wire brushing to St 3 (ISO 8501-1: 1988).

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Zinc or aluminium corrosion products can be removed with RUST-OLEUM Surfa-Etch 108 Etching Solution followed by rinsing with plenty of fresh water, or by brush-off blasting. Remove deteriorated coatings by scraping and wire brushing. Sand intact coatings to roughen the surface slightly. The surface must be clean and may be slightly damp during application.

DIRECTION FOR USE

To ensure homogeneity, coating materials should be thoroughly stirred prior to use.

APPLICATION & THINNING

- Brush:** Sparingly, if required, with water.
Use brushes based on a mixture of synthetic/natural bristles.
- Roller:** Sparingly, if required, with water
Use medium nap, 8-12 mm, woven acrylic or polyester rollers.
Roller application may require 2 coats to achieve recommended dry film thickness.
- Air-atomised spray:** Sparingly, if required, with water.
Gravity cup and pressure cup.
Tip size: 1.2 -1.8 mm.
Atomising pressure: 2 - 4 bar.
- Airless spray:** Sparingly, if required, with water.
Pneumatic and electric airless equipment.
Tip size: 0.015-0.018 inch.
Fluid pressure: 150 - 225 bar.
Check wet film thickness, avoid excessive film thickness.
- Cleanup:** Immediately after use with water and soap.

APPLICATION CONDITIONS

Temperature of air, substrate and coating material between 10 and 35°C and relative humidity below 85%. The substrate temperature must be at least 5°C above dew point.

REMARKS

Maximum dry film thickness per coat: 60 µm dry, equals 140 µm wet.
When used on new plastisol cladding the product can remain a slightly tacky.

SAFETY

Consult Safety Data Sheet and Safety Information printed on the can.

SHELLIFE / STORAGE CONDITIONS

5 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

Keep from freezing.

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