



EccoHeat 250 Silver-Magic Coating

Description:

EccoHeat 250 Silver-Magic coatings are single component heat resistant coatings based on improved synthetic resins and thermally stable pigments. They are formulated specifically to protect metal surfaces operating to 250°C. EccoHeat 250 Silver-Magic topcoat system provides outstanding adhesion, film integrity, color stability, corrosion-, weathering-, and thermal shock-resistance throughout this entire temperature range. EccoHeat 250 Silver-Magic series coating is available only in silver colors.

Uses:

Applications that require high temperature coatings

- Stacks, Breechings, Boiler Casings
- Reformers
- Furnaces, Kilns, Ovens
- Compressors, Turbines, Engines
- Piping, Pumps, Manifolds
- Process Vessels, Heat Exchangers
- Heaters

Colors:

Silver

Technical Properties:

Base	improved synthetic
Gloss	Simi-gloss
Thickness mic.	30
Ratio	N/A
Dry to touch*	20 minutes
Dry to handle*	2 hours
Dry to recoat*	2 hours
Full hardness*	1 days
Theoretical coverage	7-10 m ² /l
% solid	40 %
Application	Brush, roller, spray
Thinner	Ecco Thinner 32/18
Shelf Life	24 months
Packing	4.5L, 16L pail

*Drying time is temperature, humidity, and film thickness dependent.





Application Conditions:

Temperature of air, substrate and coating material between 5 and 35°C and relative humidity below 85%. The substrate temperature must be at least 3°C above dew point.

Application Procedures:

SURFACE PREPARATION

Surfaces must be free of dirt, oil, grease, mill scale and rust. Steel or Iron surfaces may be treated chemically with Zinc or Iron Phosphate to improve corrosion protection. Due to the wide variety of substrates, surface preparation methods, and application environments, the customer should test the complete system for adhesion and compatibility prior to full-scale application.

Application:

Brush: Up to 10 vol. %; Ecco Thinner 21/18. Use natural bristles, long hair brushes. Brush application may require 2 coats to achieve recommended dry film thickness.

Roller: Up to 10 vol. %; Ecco Thinner 21/18. Use medium nap, perlon 8-12 mm. rollers. Roller application may require 2 coats to achieve recommended dry film thickness.

Air-atomised spray: 10-20 vol.%; Ecco Thinner 21/18. Gravity cup and pressure cup. Tip size: 1.2 -1.8 mm. Atomizing pressure: 2 - 4 bar.

Airless spray: If required up to 5 vol. % Ecco Thinner 21/18. Pneumatic and electric airless equipment. Tip size: 0.013-0.015 inch. Fluid pressure: 130 - 200 bar.

Precautions: Please refer to the appropriate material safety data sheet (MSDS) prior to using this product. **Warranty:** ECCO® will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained. **Disclaimer:** All information on this data sheet is based on laboratory testing and is not intended for design purposes. I ECCO® makes no representations or warranties of any kind concerning this data.

