

Ferrosfalt

deco metallisé



TECHNICAL DATA SHEET

Description of the product

FERROSMALT DECO metallisé is an anticorrosive paint with highly textured metallic structure. It is applied, without the need of a special primer, directly on rusted surfaces and provides long-lasting protection from UV-rays and adverse weather conditions. It does not contain lead or toxic pigments.

Recommended uses

It is used on exterior and interior metal surfaces (e.g. doors, banisters, furniture, etc) where a metallic structure finish is required.

Technical characteristics

Resin: Special alkyd resins

Density: 1.47±0.07 gr/ml (depending on the shade) (EN ISO 2811.01, 20°C)

Production Viscosity: 95±5 KU (ASTM D 562, 25°C)

Storage Viscosity: 105±15 KU (ASTM D 562, 25°C)

Solids b.w.: 75±2%, depending on the shade (EN ISO 3251)

Solids b.v.: 51±2%, depending on the shade (ISO 3233)

Flash point: 45±2°C (EN ISO 1523)

VOC (Volatile Organic Compounds): FERROSMALT DECO metallisé belongs to the category A/I SB (One-pack performance coatings). EU Limit Value: 500 g/l. The ready to use product contains max. 495 g/l.

Shades

Available in 4 metallic shades.

Properties

Gloss 60°: 3.5±0.5 (EN ISO 2813)

Adhesion (Cross Cut on metal): 0-2 (EN ISO 2409)

Adhesion (Cross Cut on rusted surface): 1-3 (EN ISO 2409)

Bend test (Mandrel): > 3 mm OK (EN ISO 1519)

Resistance to salt spray/clean metal surface

45±5 µm: Very good protection for at least 250 hours (EN ISO 7253)

90±10 µm: Very good protection for at least 450 hours

Resistance to salt spray/rusted surface:

45±5 µm: Very good protection for at least 150 hours (EN ISO 7253)

90±10 µm: Very good protection for at least 250 hours

Resistance to humidity/clean surface, 45±5 µm: > 1000 hours OK (EN ISO 6270.2)
90±10 µm: >1000 hours OK

Spreading rate

Dry film thickness per coat: 45±5 µm.

Recommended dry film thickness: 90±10 µm.

Spreading rate: 11.5±1.5 m²/Lt, per coat.

Application instructions

Surfaces are cleaned from oil, dust and flaking parts are removed. In case of old paints existing on the surface mechanical cleaning is recommended.

FERROSMALT DECO metallisé is applied in 2 coats.

Application method: Brush, roller, spray.

Diluent: **CHROTEX BRUSH SOLVENT** or **CHROTEX SPRAY SOLVENT**, depending on the application.

Thinning: *For application with brush, roller:* Dilute up to 15% v/v. [Application viscosity: 50±10 sec, (DIN 53211/4 mm, 23°C) or 34±7 sec (EN ISO 2431/6 mm, 23°C)].

For spraying: Dilute up to 25% v/v. [Application viscosity: 25±5 sec (DIN 53211/4 mm, 23°C) or 72±20 sec (EN ISO 2431/4 mm, 23°C), Nozzle size: 1.6-1.8 mm, Air pressure: 2-3 bar].

Tools are cleaned immediately after the application with solvent, soap and water.

Drying time

Set to touch: 20±5 minutes (ASTM D 1640).

Dust free: 25±5 minutes.

Dry to touch: 30±6 minutes.

Dry through: 6±1 hours.

Recoating time: After 24 hours.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

Coating system

FERROSMALT DECO metallisé may be applied directly on rusted surfaces.

It is not necessary to use an anticorrosive primer prior to the use of **FERROSMALT DECO metallisé**.

On galvanized surfaces it is recommended to use **ADHEX** and then **FERROSMALT DECO metallisé**.

In some cases, where excellent protection is required, it is recommended to use an anticorrosive primer before applying **FERROSMALT DECO metallisé**.

Other systems may be applied, depending on the application.

Packaging

All shades are available in 0.75 Lt cans.

Storage

1 year, provided the cans remain closed and in normal storing conditions.

Health and safety

Please refer to the labeling mentioned on the can. In case more information is needed refer to the Material Safety Data Sheet.

Notes

- It is recommended to avoid application of the product at temperatures below 10°C, greater than 36°C and relative humidity higher than 85%.

*Issued: October 2020
This issue replaces all others*

