

# FerrosMalt

## 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. It is ideal for interior metal surfaces or exterior that are not exposed directly to UV radiation.

#### Recommended uses

It is used on 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 3 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 m<sup>2</sup>/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.

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### 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.

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### 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.*

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### Packaging

All shades are available in 0.75 Lt cans.

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### Storage

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

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### 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.

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### 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%.

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This issue replaces all others*

