

Ferrosfalt

TECHNICAL DATA SHEET



Description of the product

FERROSMALT is an **anticorrosive** enamel paint. It can be applied, without the need of an anticorrosive primer, **directly on rusted surfaces**. It provides strong anticorrosion protection and a perfect gloss finish.

Recommended uses

It is used in interior and exterior metal surfaces.

Technical characteristics

Resin: Alkyd resin

Density (white): 1.13±0.04 gr/ml

(EN ISO 2811.01, 20°C)

Production viscosity: 95±5 KU

(ASTM D 562, 25°C)

Storage Viscosity: 102±13 KU

(ASTM D 562, 25°C)

Solids b.w. (white): 63±2%,

(EN ISO 3251)

Solids b.v. (white): 46.5±2%

(ISO 3233)

Flash point: 32±3°C

(EN ISO 1523)

VOC (Volatile Organic Compounds): FERROSMALT belongs to the category A/i SB (One-pack performance coatings). EU Limit Value: 500 g/l. The ready to use product contains max. 499 g/l.

Shades

Available in white, black and 6 ready made shades.

Properties

Gloss 20°/60°: > 75/ > 85

(EN ISO 2813)

Hardness (König): 45±5 µm: 75±15 sec, after 7 days

(EN ISO 1522)

95±5 µm: 23±7 sec, after 7 days

Adhesion (Cross Cut on metal): 45±5 µm: 3-4

(EN ISO 2409)

95±5 µm: 1-2

Adhesion (Cross Cut on rusted surface): 45±5 µm: 3-4

(EN ISO 2409)

95±5 µm: 2-3

Impact test: in/out 6–8/0 inch/pounds

(EN ISO 6272)

Bend test (Mandrel): 8 mm OK

(EN ISO 1519)

Resistance to salt spray/on clean surface:

(EN ISO 7253)

95±5 µm: Very good protection for at least 300 hours

Resistance to salt spray/on rusted surface:

(EN ISO 7253)

95±5 µm: Very good protection for at least 200 hours

Sag Resistance (undiluted product): 200±25 µm

(ASTM D 4400)

Resistance to exterior conditions:

95±5 µm: After 2 years, the painted surface does not show blistering, rusting or cracking

(EN ISO 2810)

Spreading rate

Dry film thickness per coat: 45±5 µm.

Recommended dry film thickness: 95±5 µm.

Spreading rate: 10±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 is applied 2 coats. No anticorrosive primer is needed.

Application method: Brush, roller, spray.

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

Thinning: For application with brush, roller: Dilute up to 10% v/v.

For spraying: Dilute up to 20% v/v. [Application viscosity: 55±10 sec, (DIN 53211/4 mm, 23°C) or 65±5 KU (ASTM D 562), Nozzle size: 1.5-1.8 mm, Air pressure: 2-3 atm].

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

Drying time

	Dilution with CHROTEX BRUSH SOLVENT	Dilution with CHROTEX SPRAY SOLVENT
Set to touch:	22±4 minutes	38±5 minutes
Dust free:	30±10 minutes	40±10 minutes
Dry through:	9½±2½ hours	10±2 hours
Recoating time:	The application of the 2 nd coat must be performed 1-3 hours after the application of the 1 st coat. Otherwise the 2 nd coat should be applied 1 week after the application of the 1 st coat.	

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

Coating system

On metal surfaces it is not necessary to apply an anticorrosive primer before the application of **FERROSMALT**.

On galvanized steel surfaces it is recommended to use **ADHEX** before the application of **FERROSMALT**.

Other systems may be applied, depending on the application.

Packaging

All shades are available in 0.75 Lt cans. The black and dark green shades are also available in 2.5 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 apply **FERROSMALT** in 2 coats in order to provide the surface with good anticorrosive protection and mechanical resistance.

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