

Metalgal



TECHNICAL DATA SHEET

Description of the product

METALGAL is a zinc anticorrosive primer. It is applied on metal surfaces, such as pipes, metal constructions etc and offers total and long-lasting anticorrosive protection (cold galvanization).

Recommended uses

It is applied as an undercoat for alkyd topcoats, such as **MOBILAC**.

Technical characteristics

Density: 2.15±0.06 gr/ml	(EN ISO 2811.01, 20°C)
Production Viscosity: 9±1 poise	(ISO 2884.2, 20°C)
Storage Viscosity: 9.5±2.5 poise	(ISO 2884.2, 20°C)
Solids b.w.: 78±2%	(EN ISO 3251)
Solids b.v.: 41±2%	(ISO 3233)
Flash point: 34±2°C	(EN ISO 1523)

VOC (Volatile Organic Compounds): **METALGAL** 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

Grey.

Properties

Adhesion (Cross Cut on metal): 1	
<i>As a system with MOBILAC:</i> 2-3	(EN ISO 2409)
(1 coat METALGAL + 1 coat MOBILAC)	
Adhesion (Cross Cut on MOBILAC): 1	
Hardness (König): 65±10 sec, after 7 days	(EN ISO 1522)
Impact Test: in/out 28±2/0-2 inch/pounds	(EN ISO 6272)
Resistance to Salt Spray:	(EN ISO 7253)
45±5 µm: Very good protection for at least 500 hours.	
Resistance to Humidity: 45±5 µm: 15 cycles OK	(EN ISO 6270.02)
Bend test (Mandrel): 3 mm OK	(EN ISO 1519)

Spreading rate

Dry film thickness per coat: 45±5 µm.
Spreading rate: 9±1 m²/Lt.

Application instructions

Surfaces are cleaned, either with sandblasting or sand papering, from rust, oil, abrasive residues, old paints, etc. For removing or stabilizing rust, it is recommended to apply **CHROTEX PRERUST** or **RUSTABIL** respectively.

METALGAL is applied in 1 coat. For better results, it is recommended to use **ADHEX** before applying an enamel topcoat, e.g. **MOBILAC**.

Application method: Brush, spray.

Diluent: **CHROTEX SPRAY SOLVENT**.

Thinning: Dilute up to 5% v/v. [nozzle size: 1.5-1.8 mm, air pressure: 2-3 atm.]

Tools are cleaned immediately after application with CHROTEX spray Solvent, soap and water.

Drying time

Dry-to-touch: 40±5 minutes (ASTM D 1640).

Dry through: 2±½ hour.

Recoating Time: after at least 16 hours.

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

Coating system

After the application of **METALGAL** apply **ADHEX** and an alkyd enamel paint such as **MOBILAC**.

Other systems may be applied, depending on the application.

Packaging

Available in 0.75 Lt and 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.

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This issue replaces all others.*

