

Primetal *Aqua*



TECHNICAL DATA SHEET

Description of the product

PRIMETAL AQUA is a **water-based** zinc chromate free, anticorrosive primer, based on air-drying alkyd resins. It is recommended for protecting exterior and interior metal surfaces. It has exceptional adhesion and offers long-lasting and excellent anticorrosive protection.

Recommended uses

It is used for the protection of exterior and interior metal surfaces and as an undercoat for water-based alkyd enamel paints, such as **MOBILAC AQUA**.

Technical characteristics

Resin: Modified alkyd resin

Density: 1.27±0,04 gr/ml

(EN ISO 2811.01, 20°C)

Production Viscosity: 100±5 KU

(ASTM D 562, 25°C)

Storage viscosity: 100±15 KU

(ASTM D 562, 25°C)

Solids b.w.: 52±2%

(EN ISO 3251)

Solids b.v.: 39±2 %

(ISO 3233)

pH: 8±0.6

(ISO 976)

VOC (Volatile Organic Compounds): PRIMETAL AQUA belongs to the category A/i WB (One pack performance coatings). EU Limit Value: 140 g/l. The ready to use product contains max. 43 g/l.

Shades

Grey.

Properties

Adhesion (Cross Cut): 0-1

As a system with MOBILAC AQUA (1 coat PRIMETAL AQUA + 2 coats

(EN ISO 2409)

MOBILAC AQUA): 0-2

Hardness (König): 55±15 sec, after 7 days

(EN ISO 1522)

Gloss 85°: ≤10

(EN ISO 2813)

Impact Test: in/out 24±4/0-2 inch/pounds

(EN ISO 6272)

Bend test (Mandrel): 2-3 mm OK

(EN ISO 1519)

Resistance to Salt Spray: 35±5 µm: Very good protection for at least 300 hours.

70±10 µm: Very good protection for at least 500 hours.

As a system with MOBILAC AQUA (1 coat PRIMETAL AQUA + 2 coats

(EN ISO 7253)

MOBILAC AQUA): Very good protection for at least 600 hours.

Sag Resistance (undiluted): 200±25 µm

(ASTM D 4400)

Spreading rate

Dry film thickness per coat: 35±5 µm.

Spreading rate: 11±1.5 m²/Lt per coat.

Application instructions

Surfaces are cleaned either with sandblasting or sand papered from rust, oil, abrasive residues, old paint, etc. For removing or stabilizing the rust, apply **PRERUST** or **RUSTABIL** respectively.

PRIMETAL AQUA is applied in 1-2 coats. **MOBILAC AQUA**, ecological water based enamel paint, is applied as a top coat.

Application method: Brush, felt roller, spray.

Diluent: Water.

Thinning: *For application with brush, roller:* Dilute up to 5% v/v.

For spraying: Dilute up to 15% v/v. [Nozzle size: 1.5-1.8 mm, Air pressure: 2-3 atm].

For airless spraying: No dilution is necessary [Nozzle size: 0.011-0.015 inches, Air pressure: 100-150 bar].

Tools are cleaned immediately after the application with soap and water. Rinsing water and paint residues should not be disposed into rivers or sewers or thrown away with household residues.

Drying time

Dry to touch: 20±5 minutes (ASTM D 1640-03).

Dry through: ≤2 hours.

Application of the top coat: After at least 6 hours.

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

Coating system

After the application of PRIMETAL AQUA it is recommended to apply a water based alkyd enamel as a top coat, such as MOBILAC AQUA or ULTRALAC AQUA.

Other systems may be applied, depending on the application.

Packaging

Available in 0.75 Lt cans.

Storage

1 year, provided the cans remain closed and in normal storing conditions. PRIMETAL AQUA can be stored after opening if the can is kept properly sealed in a cool sheltered place at temperatures 5-30°C.

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 35°C and relative humidity higher than 75%.

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This issue replaces all others*

