

Universal Primer



TECHNICAL DATA SHEET

Description of the product

UNIVERSAL PRIMER is new technology acrylic water based undercoat for interior and exterior use and for multiple applications. It exhibits excellent adhesion to various types of substrates while at the same time creating excellent adhesion conditions for the final paint. It is easy to apply and it is easily applied and has high coverage. It is also pleasantly applied due to its low odor and dries quickly.

Recommended uses

It can be applied on surfaces to metal surfaces such as iron, galvanized, aluminum, copper, stainless steel zinc, etc. to wooded or plastic surfaces (PVC, polystyrene, polyester, fiberglass), to ceramic surfaces, tiles, MFD, glass. It can also be used to repaint previously painted surfaces.

Technical characteristics

Resin: Acrylic

Density: 1.26±0,04 gr/ml

(EN ISO 2811-01, 25°C)

Storage Viscosity: 100±5 KU

(ASTM D562, 25°C)

Solids b.w.: 51±2%

(EN ISO 3251)

Solids b.v.: 38±2%

(ISO 3233-3)

pH: 8.6±0.4

(ISO 976)

VOC (Volatile Organic Compounds): UNIVERSAL PRIMER belongs to the category A/d WB (Interior/exterior trim and cladding paints for wood and metal). EU Limit Value: 140 g/l. The ready to use product contains max. 50 g/l.

Shades

Available in white and in 3 light shades (yellow, pink, blue) via **CHROMASYSTEM** tinting machine.

Properties

Hiding power for SR 20 m²/Lt: CR: 92±1%

(ISO 650-03)

Adhesion (Cross Cut, on aluminium): 0-2

(EN ISO 2409)

Adhesion (Cross Cut, on glass): 0-1

(EN ISO 2409)

Adhesion (Cross Cut, on plastic): 0-1

(EN ISO 2409)

Hardness (König): 42±10 sec, after 7 days

(EN ISO 1522)

Impact test: in/out: in/out 20±6/0-6 inch/pounds

(ASTM-D 2794)

Scratch test: 13±2

(EN ISO 1518-01)

Spreading rate

Dry film thickness per coat: 35±5 µm.

Spreading rate: 10±2.5 m²/Lt, per coat.

Application instructions

Surfaces are cleaned from dust, oils and flaking parts are removed. **UNIVERSAL PRIMER** is applied in 1 coat. On metal surfaces and for better anticorrosive protection apply 2 coats. Apply the final paint after 24 hours.

Application method: Brush, roller, air or airless spray.

Diluent: Water.

Thinning: For application with brush, roller: Dilute up to 5% v/v.
For air spray: Dilute up to 15% v/v (nozzle pressure: 2-3 bar, nozzle orifice: 1,6-1,8 mm). For airless spray: no dilution needed (nozzle pressure: 80-100 bar, nozzle orifice: 0,009-0,013inches=0,23-0,33mm).

Tools are cleaned immediately after the application with plenty of lukewarm water and soap.

Drying time

Dry to touch: 28±8 minutes (ASTM D 1640).

Dry through: 2±1 hours.

Application of final coat: 24 hours.

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

Coating system

After the application of UNIVERSAL PRIMER it is recommended to apply any of the following Mobilac Aqua, Ultralac Aqua (water-based) or Mobilac, Ultralac Premium, Xtralac etc. (solvent-based).

Other systems may be applied, depending on the application.

Packaging

It is available in 0.75Lt and 2.5Lt 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 not to apply the product at temperatures below 10°C or for dry film thickness less than 30µm.
- It can be used as a final paint, retaining its properties and providing an excellent semi-mat finish. In this case 2 coats should be applied.
- It can be used as a primer on surfaces that will be painted with water-based paints (Mobilac Aqua, Ultralac Aqua) as well as solvent-based (Mobilac, Ultralac Premium, Xtralac etc).

*Issued: July 2025
This issue replaces all others*

