

ULTRALAC Total



TECHNICAL DATA SHEET

Description of the product

ULTRALAC TOTAL is an enamel paint for interior and exterior building applications. It is easily applied, spreads evenly and offers an exquisite while it renders an elastic and hard film. It shows excellent and long-lasting gloss, great resistance to adverse weather conditions and UV rays. It has great spreading rate and dries quickly. It provides anticorrosive protection to the surface.

Recommended uses

It is applied on interior or exterior metal surfaces (bannisters, small metallic objects, etc).

Technical characteristics

Resin: Alkyd

Density (white): 1.09±0.04 gr/ml (EN ISO 2811.01, 20°C)

Production Viscosity: 10.75±1.85 poise (ISO 2884.02,20°C)

Storage Viscosity: 12±3 poise (ISO 2884.02,20°C)

Solids b.w. (white): 61±3% (EN ISO 3251)

Solids b.v. (white): 45±3% (ISO 3233)

Flash point: 37±3°C (EN ISO 1523)

VOC (Volatile Organic Compounds): **ULTRALAC TOTAL** 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 25 readymade shades.

Properties

Whiteness index (white): ≥ 67 (ASTM E 313)

Yellowing index (white): ≤ 6.5 (ASTM E 313)

Adhesion (Cross-Cut): 1-3 (EN ISO 2409)

Hardness (König): 29±6 sec, after 7 days (EN ISO 1522)

Impact Test: in/out 60±20/60±20 inch/pounds (ASTM D 2794)

Bend test (Mandrel): 2mm OK (EN ISO 1519)

Gloss 20°: ≥75 (EN ISO 2813)

Scratch test: 8±1 N (EN ISO 1518)

Exposure to fluorescent UV: 500 h: No change is noted on the film. (EN ISO 11507)

Resistance to salt spray: As a system with PRIMETAL 43: Very good protection for 600 hours. (1 coat PRIMETAL 43 + 2 coats ULTRALAC TOTAL) (EN ISO 9227)

Spreading rate

Dry film thickness per coat: 45±5 µm.

Recommended total dry film thickness: 90±10 µm.

Spreading rate: 9.5±1 m²/Lt, per coat, for dry film thickness 45±5 µm.

14.5±2 m²/Lt, per coat, for dry film thickness 30±5 µm.

Application instructions

Surfaces are cleaned from oil, dust and flaking parts are removed. For removing or stabilizing the rust, apply **PRERUST** or **RUSTABIL** respectively. For absolute protection of the surface it is recommended to apply 1 coat of alkyd based anticorrosive primer, such as **REDOX**, **GRIDOX**, **PRIMETAL**.

ULTRALAC TOTAL is applied in 2 coats.

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 5% v/v [Application viscosity: 180±40 sec (DIN 53211/4 mm, 23°C).

For spraying: Dilute up to 10% v/v [Application viscosity: 100±20 sec (DIN 53211/4 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.

Drying time

Set to touch: 25±10 minutes (ASTM D 1640).

Dry through: 6±2 hours.

Recoating time: After 16 hours.

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

Coating system

On metal surfaces the use of an anticorrosive primer is not necessary. On galvanized surfaces it is recommended to use ADHEX.

Other systems may be applied, depending on the application.

Packaging

Available in 0.2Lt, 0.375 Lt, 0.75 Lt, 2.5 Lt.

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

- With the addition of **HARDADO** up to 15% v/v, a film of higher gloss, hardness and mechanical resistance is achieved. The mixture has a pot life of 8 hours (20°C).
- It is recommended to avoid application of the product at temperatures below 10°C, greater than 36°C and relative humidity higher than 85%.

*Issued: May 2020
This issue replaces all others*

