

ULTRALAC

premium



TECHNICAL DATA SHEET

Description of the product

ULTRALAC PREMIUM is an enamel paint for interior and exterior surfaces of wood. It is **easily applied** and spreads evenly on the surface giving an **exquisite finish**. It has great spreading rate and dries quickly. It provides an elastic and very resistant surface. It has great resistance to difficult weathering conditions and to frequent washing. Available in gloss, satin and mat finish.

Recommended uses

It is applied on interior and exterior wooden surfaces.

Technical characteristics

Resin: Alkyd

Density (white): Gloss: 1.26±0.04 gr/ml
Satinet: 1.32±0.04 gr/ml (EN ISO 2811.01, 20°C)
Mat: 1.41±0.04 gr/ml

Production Viscosity: 80±5 KU, depending on the finish (ASTM D 562/25°C)

Storage Viscosity: 90±5 KU, depending on the finish (ASTM D 562/25°C)

Solids b.w. (white): Gloss: 79±2%
Satinet & Mat: 81.5±2.5% (EN ISO 3251)

Solids b.v. (white): Gloss: 64±3% (ISO 3233)

Flash point: 46±3°C (EN ISO 1523)

VOC (Volatile Organic Compounds): **ULTRALAC** belongs to the category A/d SB (Interior/exterior trim and cladding paints for wood). EU Limit Value: 300 g/l. The ready to use product contains max. 299 g/l.

Shades

It is available in white gloss, satin and mat and in thousands of shades via **CHROMASYSTEM**.

Properties

Hiding power for SR 20 m²/Lt: Gloss: CR: 97±2%
Satinet & Mat: CR: 95.5±2% (ISO 6504.3)

Whiteness index: ≥ 65 (ASTM E 313)

Yellowing index: Gloss: ≤ 3.5
Satinet & Mat: ≤ 9 (ASTM E 313)

Gloss : Gloss 20°: ≥ 80, Satinet 60°: 50±10, Mat 85°: 9±4 (EN ISO 2813)

Hardness (König): 34±8 sec, after 7 days (EN ISO 1522)

Bend test (Mandrel test): 2 mm OK (EN ISO 151)

Scratch test: ≥ 7 Nt (EN ISO 1518)

Resistance to water: OK (EN ISO 2812.1)

Exposure to fluorescent UV and water
500 hours: No change is noted on the film (EN ISO 11507)

Sag resistance (diluted): Gloss & Satinet: 100 µm
Mat: 125 µm (ASTM D 4400)

Adhesion (Cross Cut): Gloss: with VELATURA as an undercoat: 0-1
Satinet & Mat: with VELATURA as an undercoat: 0-2 (EN ISO 2409)

Block Resistance: ≥ 7 (ASTM D 4946)

Spreading rate

Dry Film Thickness per coat: 30±3 µm.

Recommended Total Dry Film Thickness: 60±6 µm.

Spreading rate: Gloss: 16±2 m²/Lt per coat, depending on the application method.

Application instructions

Surfaces should be cleaned from oil, rust, dust and flaking parts must be removed. It is recommended that wooden surfaces to be coated for the first time are previously treated with **VELATURA**.

ULTRALAC PREMIUM is applied in 2 coats. The 2nd coat is applied after the 1st coat has completely dried.

Application method: Brush, roller, spray.

Diluent: CHROTEX BRUSH SOLVENT.

Thinning: Dilute up to 4% v/v [Application viscosity for Gloss, Satinet 83±3 KU (ASTM D 562/25°C), Application viscosity for Mat: 92±5 KU (ASTM D 562/25°C), nozzle size: 1.2 mm, air pressure: 1.5-2.0 bar].

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

Drying time

Set to touch: 100±20 minutes (ASTM D 1640).

Dry through: 6±1 hours

Recoating time: 24 hours.

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

Coating system

Wooden surfaces are primed with VELATURA.

Other systems may be applied, depending on the application.

Packaging

ULTRALAC PREMIUM Gloss is available in 0.375 Lt, 0.75 Lt and 2.5 Lt cans.

ULTRALAC PREMIUM Satinet & Mat are available in 0.75 Lt and 2.5 Lt cans.

Storage

1 year, provided the cans remain closed and in normal storing conditions. After use, the remaining product may be preserved if the can is sealed properly and stored in a dry room 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

- ULTRALAC PREMIUM yellows with time.
- It is recommended not to apply the product at temperatures below 5°C or when there is a possibility to rain. The surface to be painted should not be exposed to direct sunlight.
- ULTRALAC PREMIUM does not contain lead or chromate pigments.

*Issued: September 2021
This issue replaces all others*

