

Velatura Aqua



TECHNICAL DATA SHEET

Description of the product

VELATURA AQUA is an **ecological** acrylic water-based primer for wooden surfaces. It is the ideal undercoat for the water-based enamel **ULTRALAC AQUA**. It shows excellent filling, leveling and sanding properties. It dries quickly and is practically odorless. **VELATURA AQUA** exhibits excellent adhesion on wood and may be applied on surfaces already painted with solvent based enamels.

Recommended uses

It can be applied on surfaces of wood.

Technical characteristics

Resin: Acrylic resin

Density: 1.48 ± 0.05 gr/ml

(EN ISO 2811.01, 20°C)

Production Viscosity: 110 ± 10 KU

(ASTM D 562, 25°C)

Storage Viscosity: 115 ± 15 KU

(ASTM D 562, 25°C)

Solids b.w.: $60 \pm 3\%$

(EN ISO 3251)

Solids b.v.: $45 \pm 3\%$

(ISO 3233)

pH: 8.9 ± 0.5

(ISO 976)

Minimum Film Forming Temperature: 10°C

(ASTM D 2354)

Packaging stability: 10/10 (1 month, 50°C)

(ASTM D 1849)

Freeze-thaw stability (-10°C): OK

(ELOT 777)

VOC (Volatile Organic Compounds): **VELATURA AQUA** belongs to the category A/d WB (Interior/exterior trim and cladding paints for wood and metal). EU Limit Value: 130 g/l. The ready to use product contains max. 29 g/l.

Shades

Available in white and in 3 shades via **CHROMASYSTEM**.

Properties

Hiding power for SR 20 m²/Lt: CR: $95 \pm 0.5\%$

(ISO 6504.03)

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

(EN ISO 2409)

Adhesion (Cross cut, as a system with ULTRALAC AQUA): 0-2

(EN ISO 2409)

Gloss 85°: 6 ± 2

(EN ISO 2813)

Bend Test (Mandrel): 2 mm OK

(EN ISO 1519)

Spreading rate

Dry film thickness per coat: 35 ± 5 µm.

Spreading rate: 11.5 ± 1 m²/lt per coat, depending on the type of the surface.

Application instructions

Surfaces are cleaned from dust and flaking parts are removed. **VELATURA AQUA** is applied in 1-2 coats. It can be sandpapered after 5 hours, though for better results it is recommended to sandpaper one day after the application. **ULTRALAC AQUA** can be applied after approx. 6 hours.

Application method: Synthetic brush, felt roller, spray.

Diluent: Water.

Thinning: For application with brush, roller: Dilute up to 10% v/v.

For spraying: Dilute up to 15% v/v.

Tools are cleaned immediately after the application with plenty of soap and water. Rinsing water and paint residues should not be disposed into rivers or sewers or thrown away with household refuse or poured away. Follow the advice of the local authority regarding the disposal and collection of unused paint.

Drying time

Dry to touch: 25±5 minutes (ASTM D 1640).

Dry through: 60±10 minutes.

Recoating time: After 6 hours.

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

Coating system

After the application of **VELATURA AQUA** it is recommended to apply **ULTRALAC AQUA**.

Other systems may be applied, depending on the application.

Packaging

It is available in 0.75 Lt and 2.5 Lt cans.

Storage

1 year, provided the cans remain closed and in normal storing conditions. After opening the can, the undiluted product can be preserved if the can is sealed tightly and stored in a dry room with 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 not to apply the product at temperatures below 10°C.
- Avoid recoating after 10-15 minutes have elapsed from the application depending on the temperature and the relative humidity.
- It is not recommended to tint **VELATURA AQUA** with **CHROTEX EMULSION COLORANTS**.
- When application of a low hiding enamel paint follows, it is recommended to tint **VELATURA AQUA** in order to reduce the number of coats needed.
- For more information as to why this product has been awarded the Flower please visit the website: www.ecolabel.eu.

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