



TECHNICAL DATA SHEET

Description of the product

ULTRAXYL GEL VARNISH is a satin finish wood stain, based on alkyd-polyurethane resins. It is easy to apply thanks to its **non-drip formulation**. It forms an **elastic film** that endures temperature variations **without flaking** or **peeling**. It offers protection **against UV sun rays** while preventing water and moisture to be absorbed and cause rotting, blue stain etc.

Recommended uses

For the protection and decoration of exterior and interior wood constructions.

Technical characteristics

Resin: Alkyd and modified polyurethane alkyd resin

Density: 0.97±0.03 gr/ml

(EN ISO 2811.01-02, 20°C)

Production Viscosity: 70±7 KU

(ASTM D 562-05, 25°C)

Storage Viscosity: 70±10 KU

(ASTM D 562-05, 25°C)

Solids b.w.: 62.5±2.5%

(EN ISO 3251-03)

Solids b.v.: 52±3%

(ISO 3233-98)

Flash point: 43±2°C

(EN ISO 1523-02)

VOC (Volatile Organic Compounds): **ULTRAXYL GEL VARNISH** belongs to the category A/e SB (Interior/exterior varnishes). EU Limit Value: 400 g/l (2010). The ready to use product contains max. 399 g/l.

Shades

Available in transparent, 9 natural shades and in many shades via CHROMASYSTEM.

Properties

Gloss 60°/85°: 25±15

(EN ISO 2813-99)

Adhesion (Pull off on pitch pine): 6±1 Nt/m² (A)

(EN ISO 4624-03)

Exposure to fluorescent UV & water (on pitch pine) QUV/1000 hours:

(EN ISO 11507-02)

Cracking: 0 (S0) 0

(ELOT 854.4-89)

Flaking: 0 (S0) 0

(ELOT 854.5-86)

Bend Test (Mandrel): 2 mm OK

(EN ISO 1519-02)

Spreading rate

Dry film thickness per coat: 45±5 µm.

Recommended total dry thickness: 90±10 µm.

Spreading rate: 14±2 m²/Lt, per coat, depending on the type and the humidity of the wood.

Application instructions

The wooden surface is thoroughly sandpapered and cleaned from dust, oil, resin and the moisture levels must be low. Remove old, flaking varnishes with **CHROTEX REMOVER**. On bare exterior wood first apply two coats of impregnating preservative **ULTRAXYL TOTAL** for extra protection against fungi and wood destroying insects. **ULTRAXYL GEL VARNISH** is applied at least after 24 hours have elapsed from the application of **ULTRAXYL TOTAL**.

ULTRAXYL GEL VARNISH is ready to use, however it should be gently stirred before use. It is applied with smooth and gentle strokes in 2 coats on new surfaces or 1 coat when repainting. Each coat is applied after 24 hours have elapsed from the application of the previous coat and always after light sandpapering of the surface. For excellent protection of exterior wooden surfaces it is recommended to apply 3 coats of **ULTRAXYL GEL VARNISH**.

Application method: Brush.
Diluent: Ready to use.

Tools are cleaned immediately after the application with CHROTEX BRUSH SOLVENT, soap and water.

Drying time

Dust free: 2½±½ hours (ASTM D 1640-03).

Recoating time: After 24 hours.

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

Coating system

On new exterior surfaces, before the application of ULTRAXYL GEL VARNISH it is recommended to apply ULTRAXYL TOTAL for the protection of the surface from wood destroying insects and fungi.

Other systems may be applied, depending on the application.

Packaging

The transparent varnish is available in 0.75 Lt and 2.5 Lt cans. The color shades are available in 0.75 Lt 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

- For the decoration and protection of the wood **ULTRAXYL TOTAL** may be used before the application of **ULTRAXYL GEL VARNISH**. In that case, **ULTRAXYL GEL VARNISH** is applied at least after 24 hours have elapsed from the application of **ULTRAXYL TOTAL**.

*Issued: December 2016
This issue replaces all previous ones*

