

FLOREX Aqua



TECHNICAL DATA SHEET

Description of the product

FLOREX AQUA is a water-based gloss polyurethane varnish for wooden floors. It doesn't need a special primer because it has good adhesion on the surface. It is easily applied, is almost odourless and dries quickly. **FLOREX AQUA** leaves a gloss surface with high resistance to scratch, water and cleaning detergents.

Recommended uses

It can be applied on wooden floors (parquets) and interior wooden surfaces.

Technical characteristics

Resin: Acrylic polyurethane

Density: 1.04±0.03 gr/ml

(EN ISO 2811.01, 20°C)

Production Viscosity: 65±15 sec

(DIN 53211/4 mm, 20°C)

Storage Viscosity: 60±20 sec

(DIN 53211/4 mm, 20°C)

Solids w/w: 34±2.5%

(EN ISO 3251)

Solids v/v: 31±3%

(ISO 3233)

pH: 8.5±0.5

(ISO 976)

VOC (Volatile Organic Compounds): **FLOREX AQUA** belongs in the category A/i WB (One-pack performance coatings). EU Limit Value: 140 g/l. The ready-to-use product contains max. 100 g/l.

Shades

Clear.

Properties

Gloss 20°: 73±2

(EN ISO 2813)

Scratch Test: 95±5 µm: > 20 Nt, 7 days

(EN ISO 1518)

Adhesion (Pull off): 4±1 Nt/mm² (A)

(EN ISO 4624)

Resistance to household liquids: No visible defaults for stains of water, coffee, detergents and fruit

(ASTM D 1308)

Taber Abrasion: (dry film thickness 90-100 µm):

Weight loss (CS 10x1Kg x1000) 15±3 mg

Weight loss (CS 17x1Kg x1000) 25±3 mg

Friction index (CS 10x1Kg x1000) 15±3 mg

Friction index (CS 17x1Kg x1000) 25±5 mg

(ASTM D 4060)

Spreading rate

Dry film thickness per coat: 35±5 µm.

Recommended total dry film thickness: 95±5 µm.

Spreading rate: 8.5±1 m²/Lt, per coat.

Application instructions

Surfaces to be coated with **FLOREX AQUA** must be carefully sand-papered and cleaned from dust. Floors must be prepared with a floor abrasive machine and thoroughly cleaned. Stir well before use. **FLOREX AQUA** is applied in 3 coats allowing 2½±½ hours between each coat. For the first coat, it is recommended to thin up to 10% v/v. The following coats are applied with little or no thinning.

Application Method: Brush, roller.

Diluent: Water.

Thinning: Dilute up to 10% v/v for the first coat.

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

Drying time

Dust free: 40±10 minutes (ASTM D 1640).

Dry through: 70±10 minutes.

Recoating time: After 2½±½ hours.

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

Coating system

Before the application of **FLOREX AQUA** it is recommended to apply **ULTRAXYL AQUA TOTAL** (for protection against wood destroying insects) or **ULTRAXYL AQUA** (to color the surface).

Other systems may be applied, depending on the application.

Packaging

Available in 1 Lt and 2.5 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

- **FLOREX AQUA** should be applied at temperatures greater than 8°C.
- Avoid recoating after 5-10min. (depending on temperature and humidity).
- If a 4th coat is necessary it should be applied at least after 10 hours from the application of the 3rd coat.
- **FLOREX AQUA** is applied at least 4 hours after the application of **ULTRAXYL AQUA**.
- Floors can be used 2 days after the last coat.
- Protect from frost.

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