

FLOREX



TECHNICAL DATA SHEET

Description of the product

FLOREX is a transparent two-component polyurethane-based wood varnish. It adheres strongly on the surface and it is easily applied. It leaves a perfect finish with **exceptional resistance to scratch, water and cleaning detergents**. It is available in gloss and satin finish.

Recommended uses

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

Technical characteristics

Resin: Polyurethane

Density (A+B): Gloss: 1.05±0.03 gr/ml (EN ISO 2811.01, 20°C)
Satinet: 1.06±0.03 gr/ml

Production Viscosity (A+B): 27±8 sec (DIN 53211/2 mm, 20°C)

Solids b.w. (A+B): Gloss: 58±2% (EN ISO 3251)
Satinet: 55±2.5%

Solids b.v. (A+B): Gloss: 43±2% (ISO 3233)
Satinet: 47±2%

Flash Point: Gloss A: 25±2°C, Gloss B: 7±2°C (EN ISO 1523)
Satinet A: 40±2°C, Satinet B: 19±2°C

VOC (Volatile Organic Compounds): **FLOREX** belongs in the category A/j SB (Two-pack performance coatings for floors). EU Limit Value: 500 g/l. The ready-to-use FLOREX GLOSS contains max. 445 g/l and FLOREX SATINET contains max. 499 g/l.

Shades

Clear.

Properties

Gloss: Gloss 20°: 98±2 (EN ISO 2813)
Satinet 85°: 80±10

Scratch Test: 40±5 µm: 15±2 Nt, 24 hours (EN ISO 1518)
90±10 µm: > 20 Nt, 7 days

Adhesion (Pull-off): Gloss: 4±1 Nt/mm² A (for Oregon/oak). (EN ISO 4624)
Satinet: 4±1 Nt/mm² A (for oak).

Resistance to water: No visible defaults for > 24 h (ASTM D 1647)

Resistance to alkali: Gloss: No visible defaults for > 24 h (ASTM D 1647-96)
Satinet: No visible defaults for > 8 h

Spreading rate

Dry film thickness per coat: 40±5 µm.

Recommended total dry film thickness: 90±10 µm.

Spreading rate: Gloss: 10±1 m²/Lt, per coat.
Satinet: 11±1 m²/Lt, per coat.

Application instructions

Surfaces to be coated with **FLOREX** must be carefully sand-papered and cleaned from dust. Floors must be prepared with a floor abrasive machine and thoroughly cleaned. Apply one coat of **FLOREX PRIMER**. After 5±1 hours the surface must be sandpapered and cleaned from dust. **FLOREX** is applied in 2-3 coats.

Mixing ratio: 1A:1B v/v.

Pot life: Gloss: ≥ 8 hours (20°C), 6½±½ hours (30°C) (EN ISO 9514).

Satinet: 3½±½ hours (20°C), 2±½ hours (30°C).

Application Method: Brush, roller.

Thinning: No thinning is necessary.

Tools are cleaned immediately after application with CHROTEX Solvent S-1700, soap and water.

Drying time

Dust free: 15±5 minutes (ASTM D 1640).

Dry through Gloss: 3±1 hours.

Dry through Satinet: 50±10 minutes

Recoating time: After 24 hours.

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

Coating system

Before the application of FLOREX it is recommended to apply ULTRAXYL TOTAL and FLOREX PRIMER.

Other systems may be applied, depending on the application.

Packing

Available in 1 Lt and 2.5 Lt cans.

Storage

1 year for components A and B, provided the cans remain closed and in normal storing conditions. Component B is sensitive in humidity.

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

- If there are cracks on the floor they can be covered using mixture of saw-dust and **FLOREX PRIMER** before applying the primer. Application should not take place on surfaces and in places with high humidity.
- Floors can be used 48 hours after the final application.
- **FLOREX SATINET** may be applied over **FLOREX GLOSS**.
- Gloss may vary depending on the application conditions.
- **FLOREX** yellows with time.

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