

OPAL 20

Semi-matt parquet lacquer

Water-borne, 2-component polyurethane parquet lacquer.

OPAL 20 is suitable for roller and brush application on parquet and wooden floors. Designed for floors, which are subjected to severe wear stress, for example, sports halls and public premises. Complies with DIN 18032-2 and EN 14904 friction requirements for sports halls.



Not suitable for the lacquering of diamond pine and chemically treated wood, e.g., smoked oak.



TECHNICAL DATA

Certificates, approvals and classification	M1 classification, Finnish Key Flag
Fields of application	Plank floors, Parquet floors
Solids	Approx. 26% by volume
Volatile organic compound (VOC)	EU VOC limit value (kat A/j): 140 g/l. The product's VOC: max. 140 g/l.
Practical spreading rate	One coat with lacquer roller or brush: 8 - 10 m ² /l. One coat with steel trowel (maintenance lacquering): 25 m ² /l.
Colours	Clear.
Gloss (60°)	Semi-matt
Hardener	Comp. B: OPAL PARQUET LACQUER HARDENER
Mixing ratio (A:B)	9:1 parts by volume
Pot life, +23 °C	6 h
Thinner	Water.
Density	Approx. 1 g/ml
Storage	Storage time: in unopened containers, above +1 °C, for 1 year. Must not freeze.
Packaging	Clear lacquer (base): 4.5 l. Hardener: 0.5 l.

DIRECTION FOR USE

Surface preparation	The wooden surface must be dry, carefully sanded and cleaned from dust and other impurities.
Application method	Varnish brush, Roller, Trowel

Application

Untreated and clean-sanded surfaces: Fill the gaps with GAP parquet putty. Prime the surface with Teknos primer lacquer according to the instructions. Intersand, if necessary, with sandpaper or an abrasive net n:o 150 after the first primer coat. Mix OPAL hardener and OPAL parquet lacquer together. Pour the hardener into the lacquer container. Shake the lacquer container vigorously for at least 30 seconds. Let the lacquer deaerate for 5–10 minutes. Finish with 2–3 coats of OPAL parquet lacquer using a lacquer roller or a paint brush along the grain of the wood. Do not close the container after the hardener has been added! (The reaction between the hardener and the lacquer produces small amounts of gas (carbon dioxide.)

Factory lacquered parquets or lacquered floors (maintenance lacquering): Clean the floor thoroughly. Intersand gently by using sandpaper n:o 100–150. Remove the sanding dust with a vacuum cleaner and finish with a clean damp cloth. Apply one coat of OPAL parquet lacquer with a stainless steel trowel, and 1–2 coats with a lacquer roller or a brush. Note! If wax has been used for floor care ensure the compatibility with the maintenance lacquer beforehand by consulting the producers. If the floor has previously been treated with oil, urethane or alkyd lacquer, the floor must be sanded to bare wood before lacquering.

If the second coat is not applied within 48 hours after the first coat, intersand the floor gently. Ensure that the previous lacquer coat has fully dried before applying a new one. Always stir lacquer thoroughly before use.

Some rubber types in carpets and anti-slip materials may contain plasticisers that can cause permanent surface and colour damage to the lacquer and oil coat.

Application conditions

The surface to be treated must be dry. The moisture content of the wood should be 7 ± 2 % by weight. The temperature of the air, the surface and the product shall be above +18 - 24 °C and the relative humidity of the air 40 - 60% during the time of application and drying.

Drying time

+23 °C / 50% RH
 Overcoatable
 - steel trowel application 15 - 30 min
 - lacquer roller or brush application 2 - 4 h
 Fit for light traffic after 1 - 2 days.

The drying process will be slower in cold and/or damp.

Cleaning

Warm water and RENSA BRUSH brush cleaner. Wash the equipment immediately after use.

HEALTH AND SAFETY

Safety and precaution measures

See safety data sheet.

ADDITIONAL INFORMATION

Maintenance instructions

The varnished surface reaches its final hardness and washability within 2 weeks. Rough handling and washing is to be avoided during this period. Stained surfaces can be cleaned with a moist cleaning cloth or mop. Use a neutral detergent. Very dirty surfaces can later be cleaned with a slightly alkaline universal washing detergent.

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