

OPAL 10

Matt parquet lacquer

Water-borne, 2-component polyurethane parquet lacquer.

OPAL 10 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. 27% 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°)	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
Packaging	Clear lacquer (base): 4.5 l. Hardener: 0.5 l.

DIRECTION FOR USE

Surface preparation	The wood surface must be dry, well sanded and free from sanding dust and other dirt.
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.

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

Application conditions

The surface to be treated has to 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

+20 °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.

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com. All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.