
PRODUCT TYPE	Water-borne, 2-component polyurethane parquet lacquer. The product has been classified to Group M1 in Emission Classification of building materials. The product has been awarded the Key Flag Symbol (Avainlippu), marking Finnish origin. Marine Equipment Approval (2014/90/EU) number MEDB0000355.
USAGE	OPAL 55 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	
Mixing ratio	Base 9 parts by volume Hardener 1 part by volume
Pot life, +23 °C	6 h
Solids	About 24 % 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: One coat with steel trowel 8 - 10 m ² /l (maintenance lacquering): 25 m ² /l
Density	abt. 1.0 g/ml
Drying time, +20°C / RH 50 % - steel trowel application - lacquer roller or brush application - fit for light traffic	after 15 - 30 min after abt. 2 - 4 h after 1 - 2 days The drying process will be slower in cold and/or damp.
Thinner, clean up	Water. Wash the equipment immediately after use with water and RENSA BRUSH brush cleaner.
Finish	Semigloss
Colours	Clear
Packages	Lacquer (base): 4,5 L. Hardener: 0,5 L.
SAFETY MARKINGS	See Safety Data Sheet.

Surface preparation and application

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

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 varnished 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 lacquer shall be above +18 - 24°C and the relative humidity of the air 40 - 60% during the time of application and drying.

Care 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.

ADDITIONAL INFORMATION

Storage time: in unopened containers, above +1°C, for 1 year.

MUST NOT FREEZE.

The information of this data sheet is based on laboratory tests and practical experience. The figures are for guidance only and depend on, for example, colour and gloss. As we have no control over the use and application conditions, we are only responsible for the quality of the product and guarantee that it conforms to our quality control. We accept no liability for any loss or damage resulting from the application of the product contrary to the directions or the intended use. The latest versions of our data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.



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