



DIAMANT PARQUET LACQUER

AREA OF APPLICATION	Diamant is a two-component waterbased parquet lacquer suitable for lacquering of parquets and wooden floors. Especially e.g. in sport halls and public premises, where good wear resistance is required.	
SUBFLOOR	The wooden surface must be dry, well sanded and thoroughly cleaned of dust and other contaminants.	
PROPERTIES	<ul style="list-style-type: none">* good friction properties, fulfills DIN 18032-2* good levelling properties* good resistance against wear and chemicals* excellent black heel mark resistance* contains an effective UV filter* easy to apply* pot life abt. 5 hours (after hardener addition)	
TECHNICAL DATA	Degree of gloss: Gardner 60°	semiglossy abt. 55 semimatt abt. 20
	Density	approx. 1 kg/l
	Inflammability	non-flammable
	Freeze/thaw stability	not stable
	Lowest application temperature	+18°C
CONSUMPTION	appr. 7-12 m ² /l per an application by a roller or brush appr. 30 m ² /l per an application by a steel trowel	
RECOMMENDED WORKING CONDITIONS	Temperature of room, lacquer and wood	+18...24°C
	Wood moisture	7 ± 2 w-%
	Relative air humidity	40 – 60 %
	The prevailing conditions effect the final result and drying time considerably.	
INSTRUCTIONS FOR USE	Untreated and clean-sanded surfaces: Fill up the gaps in the floor e.g. with UrPo Parquet Primer mixed with sanding dust or with Kiilto Gap Parquet Putty. Application methods: A) Apply Diamant parquet lacquer in 2-3 coat along the grain of the wood using a roller or brush. Drying time between the coats at least 2 hours, preferably over night. Intersand before the last coat with grain 150-180. B) Prime the surface with Urpo parquet primer using a stainless steel trowel. Intersand with grain 100-150. Repeat the steel trowel application twice. Apply Diamant parquet lacquer in 1-2 topcoats with a roller or brush. C) Prime the surface with Tempo parquet primer using a roller or brush. Intersand with grain 100-150. Apply Diamant parquet lacquer in 1-2 topcoats with a roller or brush.	

03/2010

/..

Before lacquering with Diamant: Shake the hardener and lacquer containers. Pour the hardener to lacquer canister. Shake vigorously abt. 15 second. Let the lacquer deaerate 5-10 minutes. Put the strainer to filling hole of the canister. Apply 1-2 coatings of Diamant parquet lacquer as a topcoat along the grain of the wood using roller or brush suitable for water-based lacquers. Drying time between applications abt. 2-4 hours. The pot life of the mixed lacquer is 5 hours. **Do not close the canister if the hardener has been added!**

Consumption of Diamant parquet lacquer is 3-6 m²/l with above mentioned methods.

Factory-lacquered parquets or previously lacquered floors: Clean the floor surface thoroughly. Intersand slightly using sandpaper nr 100-180. Remove the sanding dust using a vacuum cleaner followed by a clean damp cloth. Apply 1-2 coatings of Diamant parquet lacquer using a roller or brush. The total consumption of the lacquer is about 5 m²/l.

Consumption of Diamant parquet lacquer is 3-6 m²/l with above mentioned methods.

Brush application: For uneven floors it is recommended to apply the lacquer by brush as follows: Make a thin first coat and when it has dried intersand lightly with sandpaper number 100-150. Clean the floor thoroughly and make 1-2 more coats with Diamant parquet lacquer.

Consumption of Diamant parquet lacquer is 3-4 m²/l with above mentioned methods.

DRYING TIME

Steel trowel application	15 - 30 minutes
Roller or brush application	abt. 2 - 4 hours (+20°C/50%RH)

In sport halls where painting of the linemarks takes more than one day we recommend making lines top of the primer. The lacquer withstands light walking traffic after 2-3 days and reaches its final hardness in abt 2 weeks.

PACKING SIZE

5 litres (4,4 lacquer + 0,6 hardener)

Clean the application equipment with lukewarm water immediately after use.

STORAGE

Store in a cool place, not below +1°C, in the closed original container, max.1 year.

NOTE

A new coating must not be applied before the previous one is completely dry. Semiglossy and semimatt lacquer must be stirred thoroughly before use.

Note! In the reaction between hardener and lacquer a small amount of gas (carbon dioxide) is formed as a byproduct. Container should be stored open when ever hardener has been added and lacquer which contains hardener should be disposed by impregnating to community waste. If lacquer which contains hardener has been stored in a closed container, do not open or shake the container, but deliver the container to a dumping area.

In sport halls where painting of the linemarks takes more than one day we recommend making lines top of the primer.

Not suitable for "diamond pine" or brown beech.

FREEZES

NON-FLAMMABLE

The above recommendations are based on our own research and the best knowledge available. The local working conditions and methods may vary, however, and these are beyond our control Therefore we cannot be held responsible for the actual work on site.

If you have any problems, please contact our technical service or see <http://www.kiilto.com>

03/2010