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<b>PRODUCT TYPE</b>	Water-borne, 1-component lacquer for plank and wooden floors.  The product has been classified to <b>Group M1</b> in Emission Classification of building materials. The product has been awarded the Key Flag Symbol (Avainlippu), marking Finnish origin.
<b>USAGE</b>	SAFIR 20 is suitable for lacquer brush or paint brush application on plank and wooden floors as well as wooden stairs. Not suitable for the lacquering of diamond pine and chemically treated wood, e.g., smoked oak.
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<b>TECHNICAL DATA</b>	
<b>Solids</b>	About 31 % by volume
<b>Volatile organic compound (VOC)</b>	EU VOC limit value (kat A/i): 140 g/l. The product's VOC: max. 140 g/l.
<b>Practical spreading rate</b>	One coat with lacquer brush or paint brush: 10 - 14 m <sup>2</sup> /l
<b>Density</b>	abt. 1.0 g/ml
<b>Drying time, +20°C / RH 50 %</b>	
- steel trowel application	after 15 - 30 min
- brush application	after about 2 h
- fit for light traffic	after 1 - 2 days
	The drying process will be slower in cold and/or damp.
<b>Thinner, clean up</b>	Water. Wash the equipment immediately after use with water and RENSA BRUSH brush cleaner.
<b>Finish</b>	Semi-matt
<b>Colours</b>	Clear
<b>Packages (availability varies by country)</b>	<b>Clear:</b> 5 L
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<b>SAFETY MARKINGS</b>	See Safety Data Sheet.

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**DIRECTION FOR USE****Surface preparation and application**

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

**Use without a primer lacquer:**

Pour lacquer on the floor beside the back or side wall and start lacquering along the grain of the wood. Lacquer along the grain with slow, extended strokes avoiding circular strokes. Lacquer non-stop and on one/two planks at a time, starting by the wall. Stop at the door opening, pour the remains into a separate container. Let the lacquer dry for at least two hours. Sand the floor gently with sandpaper n:o 100–150 or scrape with, for example, a steel trowel or a scraper. Remove the sanding dust with a vacuum cleaner and finish with a damp cloth. Repeat the lacquering 1–2 times.

**Use with a primer lacquer:**

Prime the wooden surface with Teknos water-based primer lacquer according to the instructions. Intersand, if necessary, with sandpaper or an abrasive net n:o 150 after the first primer coat. Apply 2–3 coats of SAFIR parquet lacquer along the grain of the wood. The drying time between coats should be at least two hours, preferably left overnight.

**Previously lacquered floors:**

Clean the floor properly. Sand the floor carefully by using sandpaper n:o 100–150. Remove the sanding dust. Apply 1–2 coats of lacquer with a brush. Note! If the floor has previously been treated with oil, urethane or alkyd lacquer, the floor must be sanded to bare wood before lacquering.

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  $7 \pm 2$  % 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.

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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](http://www.teknos.com).

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