

# HELO AQUA 40

## semigloss water-borne special varnish

<b>VARNISH TYPE</b>	<p>HELO AQUA 40 is a semigloss water-borne special varnish based on polyurethane dispersion. For wooden surfaces indoors and outdoors.</p> <p>The product has been classified to <b>Group M1</b> in Emission Classification of building materials.</p> <p>Product meets the requirements of Toy Safety Directive 2009/48/EC for limit values for migration of chemical elements.</p>								
<b>USAGE</b>	<p>Wooden plank floors and parquet floors as well as stairs indoors, wooden furniture indoors and outdoors.</p>								
<b>TECHNICAL DATA</b>									
<b>Solids</b>	About 32 % 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>	<table><tr><td>Application by brush or felt trowel:</td><td>8 - 12 m<sup>2</sup>/l</td></tr><tr><td>Application by mohair trowel:</td><td>12 - 15 m<sup>2</sup>/l</td></tr><tr><td>Total spreading rate on a clean surface:</td><td>2 - 3 l/10 m<sup>2</sup></td></tr><tr><td>Total spreading rate on previously lacquered surfaces:</td><td>abt. 1,5 l/10 m<sup>2</sup></td></tr></table>	Application by brush or felt trowel:	8 - 12 m <sup>2</sup> /l	Application by mohair trowel:	12 - 15 m <sup>2</sup> /l	Total spreading rate on a clean surface:	2 - 3 l/10 m <sup>2</sup>	Total spreading rate on previously lacquered surfaces:	abt. 1,5 l/10 m <sup>2</sup>
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<b>Drying time at +23°C / 50% RH</b>	Dust free and overcoatable after 1 - 3 hours. The surfaces can be taken into use 24 hours after application of the last coat. The varnish reaches its final hardness within 1 - 2 weeks. Hard abrasion is thus to be avoided during 2 weeks after the treatment.								
<b>Thinner, clean up</b>	Water. Wash the equipment immediately after use with detergent and water.								
<b>Finish</b>	Semigloss								
<b>Colours</b>	Clear The varnish is included in the Teknomix tinting system (transparent colours).								
<b>Light resistance</b>	Good. Does not yellow.								
<b>Packages (availability varies by country)</b>	0,45 L, 0,9 L, 2,7 L, 9 L								
<b>SAFETY MARKINGS</b>	See Safety Data Sheet.								

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**DIRECTION FOR USE**

The wooden surface must be dry, carefully sanded and cleaned from dust and other impurities. Stir HELO AQUA 40 well both before use and between the applications, but be careful not to let air into the varnish.

Untreated parquets and wooden plank floors: Prime with 15 % diluted HELO AQUA 80 using brush, trowel or roller. Finish with 2 - 3 coats of HELO AQUA 40 using brush or trowel. Spread out the varnish in the direction of the pattern and the grain of the wood.

Previously varnished floors: It is recommended that the surfaces are sanded to bare wood and that the instructions above for untreated parquet and wooden plank floors are followed. If the old varnished coat is in good condition HELO AQUA 40 varnish can be applied according to the instructions for finishing to a surface that has been carefully sanded (sanding paper no. 150 or finer). In this case, however, the varnish is first to be tested on a small area to ensure proper adhesion.

Stairs and furniture: Brush application is recommended for stairs and furniture. Prime with HELO AQUA 80, if needed. Apply first a thin coat of HELO AQUA 40 varnish and let it dry for at least one hour. Sand the surface and remove all sanding dust carefully. Apply a second coat of varnish and let dry for about 3 hours before applying the third coat.

Note! For objects outdoors we recommend tinted varnish and avoiding use on horizontal surfaces.

**Application conditions**

During the varnishing and drying period the temperature of the ambient air, the surface and the varnish shall be above +10 °C and the relative air humidity below 80 %.

**Storage**

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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