

# HELO AQUA 20

## Semi-matt water-borne varnish

HELO AQUA 20 is a semi-matt water-borne varnish based on polyurethane dispersion. Contains UV protection. For wooden surfaces indoors and outdoors.



Use: Wooden doors, windows and furniture indoors and outdoors. Wooden plank floors, stairs, wall and ceiling panels indoors. Product meets the requirements of toy safety standard EN 71-3:2019 for limit values for migration of chemical elements.



### TECHNICAL DATA

<b>Certificates, approvals and classification</b>	M1 classification, EN 71-3:2019, Finnish Key Flag
<b>Fields of application</b>	Doors, Furniture, Panels, Stairs, Windows, Plank floors
<b>Recommended substrate</b>	Planed wood, Wood, Veneer
<b>Solids</b>	Approx. 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>	8 - 12 m <sup>2</sup> /l.
<b>Colours</b>	Clear. Can be tinted to translucent shades.
<b>Tinting system</b>	Teknomix
<b>Gloss (60°)</b>	Semi-matt
<b>Thinner</b>	Water.
<b>Storage</b>	Must not freeze.
<b>Packaging</b>	0.45 l, 0.9 l, 2.7 l, 9 l.

### DIRECTION FOR USE

<b>Surface preparation</b>	The wooden surface must be dry, carefully sanded and cleaned from dust and other impurities.
<b>Application method</b>	Brush, Trowel, Spray Airless spray nozzle size 0.009 - 0.015".

<b>Application</b>	<p>Stir thoroughly both before use and between the applications, but be careful not to let air into the product.</p> <p>Brush application is recommended. Prime with diluted HELO AQUA 80, if needed.</p> <p>Apply first a thin coat of HELO AQUA 20 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.</p> <p>Untreated wooden plank floors: Prime with 15 % diluted HELO AQUA 80 using brush or trowel. Finish with 2 - 3 coats of 10 % diluted HELO AQUA 20 using brush or trowel. Spread out the varnish in the direction of the pattern and the grain of the wood.</p> <p>Previously varnished floors: It is recommended that the surfaces are sanded to bare wood and that the instructions above for untreated wooden plank floors are followed. If the old varnished coat is in good condition HELO AQUA 20 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.</p>
<b>Application conditions</b>	<p>During the application and drying period the temperature of the ambient air, the surface and the product shall be above +10°C and the relative air humidity below 80%.</p>
<b>Drying time</b>	+23°C / 50% RH
- dust free	1 - 3 h
- overcoatable	1 - 3 h
- dry to use	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>Resistance</b>	Light resistance: Good. Contains UV protection, does not yellow. Note! For objects outdoors we recommend tinted varnish and avoiding use on horizontal surfaces.
<b>Cleaning</b>	Warm water and RENSA BRUSH brush cleaner. Wash the equipment immediately after use.

## HEALTH AND SAFETY

**Safety and precaution measures** See safety data sheet.

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