



TECHNICAL SHEET



Product name:

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Characteristics:	Glazing varnish for wood Classification - products for protective coatings and films of wooden elements - exterior and interior (excluding stable/semi-stable products)																																						
Description:	Water-thinnable glazing varnish intended for interior and exterior applications for transparent coating of wood-based substrates treated with an insecticide and a biocide impregnating preservative. The product features a great penetration capability with a minimum tendency to raise wood fibers and excellent resistance to water and weather.																																						
Composition (general):	Mixture based on the acrylic dispersion																																						
Application:	It is used for glazing coatings of wood and other materials based on wood substance, in the interior and on the exterior, with the requirement for treatment preserving the natural appearance of wood.																																						
Shades:	It is produced as transparent, according to the manufacturer's color chart or in the agreed shades.																																						
Properties:	<table border="1"><thead><tr><th>Properties:</th><th>Paint:</th></tr></thead><tbody><tr><td>Density (g/cm³):</td><td>1.0 – 1.1</td></tr><tr><td>Volume solids ONL (%):</td><td>20 - 30</td></tr><tr><td>Weight solids (%):</td><td>20 – 35</td></tr><tr><td>VOC (volatile organic compounds) (kg/kg):</td><td>0.03</td></tr><tr><td>0.006 TOC (total organic carbon content) (kg/kg):</td><td>0.015</td></tr><tr><td>Maximum permissible value of VOC content (g/l):</td><td>140</td></tr><tr><td>Max. VOC content in the product in the ready-to-use condition (g/l):</td><td>33</td></tr><tr><td>Water-thinnable paint category:</td><td>A/i - single-pack paints with a special function.</td></tr><tr><td>pH (at 20 °C)</td><td>8.5 – 10</td></tr><tr><td>Appearance/color:</td><td>Liquid</td></tr><tr><td>Gloss (%):</td><td>80-95</td></tr><tr><td>Hardness:</td><td>min. 20 %</td></tr><tr><td>Viscosity/Flow time (mPa.s):</td><td>65-80</td></tr><tr><td>Miscibility:</td><td>Miscible with water.</td></tr><tr><td>Adhesion (by the grid-cutting method):</td><td>Degree 0 (cut edges are completely smooth and free of any defects)</td></tr><tr><td>Drying time, degree 1 (dust-free):</td><td>50 min.</td></tr><tr><td>Drying time, degree 2 (dry to touch):</td><td>1 hr</td></tr><tr><td>Drying time, degree 4 (dry-through)</td><td>2 hr 15min</td></tr></tbody></table>	Properties:	Paint:	Density (g/cm³):	1.0 – 1.1	Volume solids ONL (%):	20 - 30	Weight solids (%):	20 – 35	VOC (volatile organic compounds) (kg/kg):	0.03	0.006 TOC (total organic carbon content) (kg/kg):	0.015	Maximum permissible value of VOC content (g/l):	140	Max. VOC content in the product in the ready-to-use condition (g/l):	33	Water-thinnable paint category:	A/i - single-pack paints with a special function.	pH (at 20 °C)	8.5 – 10	Appearance/color:	Liquid	Gloss (%):	80-95	Hardness:	min. 20 %	Viscosity/Flow time (mPa.s):	65-80	Miscibility:	Miscible with water.	Adhesion (by the grid-cutting method):	Degree 0 (cut edges are completely smooth and free of any defects)	Drying time, degree 1 (dust-free):	50 min.	Drying time, degree 2 (dry to touch):	1 hr	Drying time, degree 4 (dry-through)	2 hr 15min
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Substrate preparation:	The substrate must be dry, free from any mechanical and greasy impurities and residues of old paint incoherent with the substrate. If applied on exterior or interior wood, it is recommended that the wood is first treated with a water-thinnable impregnating preservative with insecticide and biocide effects ensuring sufficient protection against wood-decaying insects and fungi.																																						
Application conditions:	The glazing varnish DENAPOL shall be applied to a pre-prepared and pre-treated substrate in two and more layers according to the absorption capacity of the substrate in the supplied consistency, without thinning. After the drying of the first layer, we recommend that the substrate is re-ground. The air and substrate temperatures during the application and drying of the paint shall not fall below +10 °C.																																						
Thinning:	The glazing varnish is prepared for direct application and it shall not be thinned before application.																																						
Hardening:	-																																						
Recommended method of application:	With a paint brush, a roller or by spray painting - air, pneumatic, high-pressure - Airless, Airmix																																						
Recommended coating system:	DENAPOL																																						
Application data:	The glazing varnish shall be applied to a pre-prepared and pre-treated substrate with a paint brush, a paint roller, by spray painting, soaking, in two or multiple layers according to the absorption capacity of the substrate. After drying of the first layer of the coat, we recommend that the substrate is re-ground.																																						

*) - tested as a part of coating systems

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Spreading capacity and recommended thickness:	Theoretical consumption is 10 - 20 m ² /kg per one layer at a optimum dry layer thickness of 50 µm.
Packaging:	Plastic or metal containers weighing 0.7 - 30 kg.
Storage:	Store in original and well-closed containers in cool, dry and well-ventilated areas at a temperature from +5 to 25 °C. Protect from freeze. Keep the mixture separated from drinks, foodstuff, feedstuff and medicine. Store away from the reach of children. The shelf life is a minimum 12 months from the date of manufacture. The product must not freeze.
Disposal of packaging and waste:	Product residues and contaminated packaging shall be disposed of as hazardous waste in accordance with the applicable regulations.
Safety and hygiene:	When handling the product, observe the instructions provided in the safety data sheet. Observe the principles of personal hygiene. If on the skin, wash the affected areas with water and soap. If in the eyes: rinse with water. If swallowed, rinse mouth with water, do not induce vomiting. In case of health difficulties, seek medical attention.
Legislation, certificates, attestations, other tested parameters:	See the Declaration of Conformity

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