eskaro
Life full of colors



Puidulakk 45

Varnish for wooden surfaces

- ✓ Semi matt
- ✓ Protects the surface from mechanical damage
- ✓ For indoor and outdoor use



Description	
Properties	Urethane alkyd wood varnish for interior and exterior use. ✓ Provides a semi matt coating resistant to cracking ✓ Enhances the natural beauty of the wood ✓ Contains UV filter ✓ Has excellent resistance to washing and exposure to household chemicals and water ✓ Contains highly purified and low aromatic solvents ✓ Can be tinted Maximum permissible EU VOC content for the product (subcat i) 500 g/L. Maximum VOC content in the product <500 g/L. Gloss: • Semi matt (approximately 45) in accordance with ISO 2813
Purpose	Decorative and protective varnish finishing of indoor and outdoor wooden surfaces. Wooden window frames, doors, furniture and interior elements, garden furniture, boats etc.
Type of surfaces to be treated	New or previously varnished wooden surfaces. The varnish is not suitable for wooden and parquet floors and steam rooms.
Quality standards and labels	✓ Quality standards and labels ISO 11 998 [Paints and varnishes -- Determination of wet-scrub resistance and cleanability of coatings], ISO 2813 [Paints and varnishes -- Determination of specular gloss of non-metallic paint ✓ films at 20 degrees, 60 degrees and 85 degrees] – techniques for measuring gloss and wear resistance parameters ✓ VOC (volatile organic compounds) – content in accordance with the European Union directive 2004/42/CE ✓ Product and service quality is guaranteed by the quality, environmental protection, occupational health and safety management system in accordance with standards ISO 9001:2015; ISO 14001:2015 and ISO 45001:2018
Product specifications	
Surface preparation before treatment	The surface to be varnished must be thoroughly cleaned of any loose or flaking material, wax, silicone, grease, oil, dust and other contaminants. Previously varnished glossy surfaces must be sanded to a matt finish, and all sanding dust must be carefully removed. The moisture content of the wood must not exceed 20%. The recommended surface and air temperature is +5 to +25°C, the recommended varnish temperature is +18 to +25°C, and the relative humidity should be between 40% and 80%. Applying the varnish in direct sunlight, in draughts or at elevated temperatures may cause defects in the finished surface. Varnishing in damp or cold

	weather is not recommended. New wood with a dense grain structure (oak, beech, etc.) should be cleaned with White Spirit. Rough wood surfaces should be lightly dampened using a water spray. Allow the surface to dry, then sand down the raised wood fibres. Remove all sanding dust thoroughly. For cleaning heavily soiled surfaces, use EasyClean. To remove mould, use Biotol E (Biotol Spray). When applying varnish to a previously varnished surface, test the compatibility of the existing varnish with the new varnish on a small, inconspicuous area. Thoroughly remove any loose or flaking varnish, sand the surface and carefully remove all sanding dust. Previously varnished surfaces do not require priming. Bare wood surfaces should be primed with a mixture of varnish and White Spirit at a ratio of 5:1. For exterior use, the wood must first be treated with Biostop wood preservative primer, followed by priming with diluted varnish.
Application	Stir the varnish thoroughly and carefully before use to avoid the formation of air bubbles. Stir occasionally during application to ensure even distribution of the matting agent and tinting paste. Apply using a brush, varnishing spatula or airless spray equipment. Applying 2–3 coats is recommended. Apply the varnish in continuous, even strokes along the wood grain, working from edge to edge. It is recommended to apply the varnish in the direction of the incoming light and to coat the entire surface in one continuous operation. The number of coats required depends on the porosity of the wood, the application method and the desired wear resistance of the finished surface. Each coat must be completely dry before the next coat is applied. Lightly sand the first coat with fine sandpaper (approximately P150) and carefully remove all sanding dust. When recoating a previously sanded surface, it is recommended to wait 24 hours. Tinted varnish should be used for the first coat only. To colour the wood, Balance coloured wood coating can be used as the first coat. To check the colour, it is recommended to carry out a test application on a small area, as varnish may significantly alter the colour of certain exotic wood species, with a risk of staining. The final colour of the varnished surface depends on the wood species and the number of coats applied. For surfaces subject to heavy wear, hardwood is recommended, as softwood species (spruce, pine, lime, etc.) may deform even after varnishing. During application, maintain consistent air humidity and temperature and ensure good ventilation, while avoiding draughts. In dry, hot rooms, reduce ventilation to prevent the varnish from drying too quickly, which may result in lap marks or a poor-quality varnish film.
Care for the treated surface	Avoid washing the surface or subjecting it to vigorous rubbing until full wear resistance has been achieved. The surface reaches its full wear resistance 2 weeks after varnishing. If cleaning is necessary before this period, use water and, if required, neutral or mildly alkaline cleaning agents (pH 6–8), together with a soft cloth or sponge. Do not use organic solvents, abrasive cleaners, or rough sponges or brushes.
Colour	Colourless
Thinner	The product is ready to use. For priming, dilute with White Spirit at a ratio of 5:1. For spray application, dilution of up to 10% by volume is permitted.
Tinting	Machine tinting according to the Eskarocolor system (Base EC)
Consumption	8-12 m²/L
Drying time	Dust-dry: 4 hours; dry: 18 hours; recoatable: 24 hours at 23°C and 50% relative humidity. Drying times increase at lower temperatures and higher relative humidity. The surface reaches its full wear resistance after approximately 2 weeks.
Tools	Dust-dry: 4 hours; dry: 18 hours; recoatable: 24 hours at 23°C and 50% relative humidity. Drying times increase at lower temperatures and higher relative humidity. The surface reaches its full wear resistance after approximately 2 weeks.
Tool cleaning	Wash with White-Spirit after completing work.
Additional information	
Frost resistance	Frost-resistant.
Storage conditions	Store and transport in undamaged containers at the temperature up to +30°C. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store locked up.
Safety precautions	 Harmful to aquatic organisms, long-term effects. Flammable liquid and vapor. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one, octabenzone. May cause an allergic reaction. Contains Hydrocarbons, C9–C11, n-alkanes, isoalkanes, cyclics, <2% aromatics; Hydrocarbons, C10–C13, n-alkanes, isoalkanes, cyclics, <2% aromatics. Wear protective gloves/protective mask/protective clothing/respiratory protection/protective footwear. IF INHALED: Move person to fresh air and keep in a position that allows easy breathing. When seeking medical advice, take the product packaging or label with you. In case of fire: Use ABC powder extinguisher. Keep away from heat sources, hot surfaces, sparks, flames and other ignition sources. Do not smoke. Store in a well-ventilated place. Keep container tightly closed. Keep out of reach of children. Empty, dry packaging should be taken to a packaging waste collection point, dry product residues to household waste container, liquid residues to hazardous waste collection point. Information about waste handlers is provided by the local municipality or the Environmental Board.
Waste treatment	Avoid or minimize residues. Do not empty into drains. Avoid release to the environment. Collect spillage. Dispose of the contents/containers in accordance with the current legislation on waste treatment. Liquid residues should be taken to a hazardous waste collection point (waste paint and varnish containing organic solvents or other dangerous substances08 01 11). Information about the collection points is provided by the local government or the Environmental Board. Dried residues may be disposed of in the municipal waste container. Dispose of empty, dry packaging for recycling at the packaging collection point (Waste Management Code 15 01). Returnable containers must be properly cleaned before being recycled.
Density	0,9 kg/L
Volume/weight	0,95 L

The information concerning the product is based on the results of laboratory tests and practical use of the product depending on the location and conditions of its use. As the manufacturer, we guarantee the quality of the product and provide the best recommendations for its appropriate application. As the manufacturer, we cannot control the conditions and circumstances of product transportation, storage and application and numerous other factors that affect its use. Thus, we shall not bear responsibility for the damage caused by ignoring the instructions for use or transportation, by noncompliance with storage conditions and timeframes or by inappropriate application of the product. The manufacturer reserves the right to alter product information at their discretion without prior notice. For additional information, please contact us: https://eskaro.ee/en/contact/