



TECHNICAL SHEET



Product name:

DENATOP SPage: 1/2
Date: 13.4.2016

Characteristics:	Dispersion acrylic enamel for wood
Description:	Single-pack water-thinnable enamel formulated on the basis of self-netting acrylic dispersion. Drying and curing of the coating is accompanied with oxidizing chemical netting of the binder and a high-quality and resistant film occurs; it features the properties, which are almost the same as the ones of two-pack systems.
Composition (general):	The mixture based on the self-netting acrylic dispersion containing color pigments, fine extenders, coalescent agents, rheology modifiers and other ingredients enhancing its properties.
Application:	Top coats for wood products, structures and materials based on wood in the exteriors and interiors. The enamel is fit for painting of windows, doors, door frames, railings, tiles, garden furniture and others.
Colors:	It is made according to RAL, EUROTREND, NCS, ČSN color charts or in the agreed color shades in glossy, half-glossy and matte or structural versions.
Properties:	Paint:
Density (g/cm³):	1.15 - 1.3
Volume solids ONL (%):	30 - 45
Weight solids (%):	45 - 55
KU viscosity:	80 - 100
Flow time by use of flow cups F6 (s):	20 - 120
pH (at 20 °C):	8 - 10
VOC (volatile organic compounds) (kg/kg):	0.05 - 0.08
0.006 TOC (total organic carbon content) (kg/kg):	0.03 - 0.05
Maximum permissible value of VOC content (g/l):	130
Max. VOC content in the product in the ready-to-use condition (g/l):	104
Water-thinnable paint category:	A/d interior/exterior coating materials for wood, metal or plastics for furnishings and linings of buildings.
Appearance/color:	Liquid
Gloss value (at 60°):	70 - 80
Pendulum hardness (2H/80 °C):	min. 30%
Miscibility:	Miscible with water.
Adhesion by the grid-cutting method:	Degree 0 (cut edges are completely smooth and free of any defects)
Drying, degree 1 (surface dry):	30min
Drying time, degree 2 (dry to the touch):	1hr 10min
Drying time, degree 4 (dry-through):	3hrs 20min
Substrate preparation:	The substrate must be dry, free from any mechanical and greasy impurities, and residues of old paint incoherent with the substrate.
Application conditions:	DENAPOL thinned with water in the ratio 1:1 should be used for absorbent substrates in the interior as impregnating paint. For application to wood on the exterior, a water-thinnable impregnating preservative with biocide effects is recommended. The enamel should be applied in the supplied consistency without thinning in two or three layers with a minimum time lag of two hours between individual coatings. It is recommended that the application method and the application conditions always be discussed with the manufacturer, who will adapt the composition of the paint to the specific conditions. The air and substrate temperatures during the application and drying of the paint shall not fall below 10 °C.
Thinning:	Water
Recommended method of application:	With a paint brush, a paint roller or by spray painting - air, pneumatic, high-pressure - Airless, Airmix



TECHNICAL SHEET



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DENATOP S

Page: 2/2

Date: 13.4.2016

Recommended coating system:	1 - 3 layers of suitable impregnant - the number of layers is dependent on the absorbance of the substrate. 1 - 3 layers (based on the required appearance and opacity) of the DENAPOL S paint. The interval between individual coatings should be at least 4 hrs.
Spreading capacity and recommended thickness:	The theoretical spreading rate is 7 - 10 m ² /kg at the optimum dry layer thickness of 50 µm per one layer.
Packaging:	Plastic or metal containers weighing 0.8 - 200 kg.
Storage:	Store in original and well-closed containers in cool, dry and well-ventilated areas at 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 of 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:	Observe the principles of personal hygiene. Ensure good ventilation of the workplace. During application, wear respiratory protection. If on the skin, wash the affected areas with soap and water. 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