



TECHNICAL SHEET



Product name:

DENAKOR SD/BSPage: 1/2
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Characteristics:	Priming water-thinnable anticorrosion paint
Description:	Priming, single-pack, water-thinnable anticorrosion paint based on alkyd and acrylic copolymer.
Composition (general):	The mixture based on alkyd and the acrylic copolymer containing a combination of anti-corrosion pigments with zinc phosphate, color pigments, fine extenders, coalescence agents, rheology modifiers and other ingredients adjusting its properties. As a thinner, it contains water and a small amount of glycol-ether-based solvents; it does not contain any aromatic solvents or white spirit.
Application:	It is used as anticorrosion protection and primer for products and semi-finished products in foundry plants, forge shops, in mechanical engineering and other metal-industry premises. The paint can also be used as a primer under other types of water-thinnable enamels. The variant of the anticorrosion paint is very economical. Provided that a sufficient thickness is applied in the interior, the paint can also be used as a single-layer coat.
Colors:	It is made according to RAL, EUROTREND, NCS, ČSN color charts or in agreed color shades.
Properties:	Paint:
Density (g/cm³):	1.15 – 1.45
Volume solids ONL (%):	25 - 45
Weight solids (%):	40 - 55
KU viscosity:	50 - 85
Flow time by use of flow cups F6 (s):	8 - 50
pH (at 20 °C):	7 - 10
VOC (volatile organic compounds) (kg/kg):	0.04 – 0.10
0.006 TOC (total organic carbon content) (kg/kg):	0.02 - 0.06
Maximum permissible value of VOC content (g/l):	140
Max. VOC content in the product in the ready-to-use condition (g/l):	138
Water-thinnable paint category:	A/i - single-pack paints with a special function.
Appearance/color:	Liquid
Gloss value (at 60°):	1.0 - 2.0
Pendulum hardness (2H/80 °C):	min. 20 %
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):	40 min.
Drying time, degree 2 (dry to touch):	45 min.
Drying time, degree 4 (dry-through):	1hr 50 min.
Substrate preparation:	The substrate must be clean, dry, free from mechanical and greasy impurities. Blasting is a highly advisable surface treatment.
Application conditions:	It is recommended that the application method and application conditions are always discussed with the manufacturer, who will adapt the composition of the paint to the specific conditions according to the customer's individual requirements. The paint is not intended for primers in the field under unstable weather and temperature conditions. The air and substrate temperatures during the application and drying of the paint shall not fall below +10 °C.
Thinning:	The paint can be thinned with water as required to the resulting thickness and application method, but not more than 20 %.
Recommended method of application:	By soaking, with a paint brush, a paint roller or by spray painting - air, pneumatic, high-pressure - Airless, Airmix



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Recommended coating system:	<p>1 - 2 layers of DENAKOR SD/BS, the optimum paint thickness 50 - 100 μm DFT, the re-spray interval with two layers is 12 hrs at 20 °C; if additional drying is employed at temperatures to 80 °C, the interval can be reduced up to 2 hrs.</p> <p>1 - 2 layers of DENATOP P, dispersion acrylic enamel, the optimum layer thickness 80 μm DFT, the re-spray interval between the primer and the enamel must be at least 6 hrs; the same applies to 2-layer enamel at 20 °C; if additional drying is employed to 80 °C, the interval can be reduced.</p> <p>DENATOP P/AU, DENAPUR or EPOXIDEN E can also be used as top coats.</p>
Application data:	<p>The paint shall be applied with a brush, a roller or by spray painting or by soaking in the supplied consistency, without any thinning in one or two layers. The paint can be additionally dried.</p>
Spreading capacity and recommended thickness:	<p>The theoretical spreading rate is 5 - 8 m^2/kg at a dry layer thickness of 50 μm per one layer.</p>
Packaging:	<p>Plastic or metal containers weighing 0.8 - 200 kg.</p>
Storage:	<p>Store in original and well-closed containers in cool, dry and well-ventilated areas at a temperature from +5 to +25 °C. Protect from freezing. Keep the mixture separated from drinks, foodstuff, feedstuff and medicine. Store away from the reach of children.</p> <p>The shelf life is a minimum of 12 months from the date of manufacture. The product must not freeze.</p>
Disposal of packaging and waste:	<p>Product residues and contaminated packaging shall be disposed of as hazardous waste in accordance with the applicable regulations.</p>
Safety and hygiene:	<p>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. In case of contact with eyes, rinse immediately with plenty of water, seek medical advice. If swallowed, rinse mouth with water, do not induce vomiting and get medical attention.</p>
Legislation, certificates, attestations, other tested parameters:	<p>See the Declaration of Conformity</p>