



TECHNICAL SHEET



Product name:

DENATOP PPage: 1/2
Date: 13.4.2016

Characteristics:	Dispersion acrylic enamel for industrial applications
Description:	Single-pack water-thinnable glossy enamel, mainly for metal materials pre-treated with primer
Composition (general):	Mixture based on acrylic dispersion. It contains color-fast pigments, fine extenders, coalescent agents and other ingredients enhancing paint 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:	Top coats of metal structures and engineering products in various branches of the metal industry. The product is suitable mainly for the applications at stable temperatures in paint shops and for application with the heat curing of products. The application should always be discussed with the manufacturer. The enamel features fast drying, excellent adhesion to various substrates, long durability while maintaining the appearance, color and resistance to weather conditions and UV.
Colors:	It is made according to RAL, EUROTREND, NCS, ČSN color charts or in the agreed color shades.
Properties:	Paint:
Density (g/cm³):	1.15 – 1.25
Volume solids ONL (%):	35 - 50
Weight solids (%):	45 - 60
KU viscosity:	70 - 120
Flow time by use of flow cups F6 (s):	16 - 270
pH (at 20 °C):	8 - 10
VOC (volatile organic compounds) (kg/kg):	0.005 – 0.09
0.006 TOC (total organic carbon content) (kg/kg):	0.003 - 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):	120
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°):	60 - 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):	40 min
Drying time, degree 2 (dry to touch):	1 hr
Drying time, degree 4 (dry-through):	2 hrs
Substrate preparation:	The substrate must be treated with an anticorrosion primer.
Application conditions:	It is recommended that the application method and the application conditions are always 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 +15 °C.
Thinning:	Water
Recommended method of application:	With a paint brush, a paint roller or by soaking or spray painting - air, pneumatic, high-pressure - Airless, Airmix. The paint can be additionally dried at a max. of 80 °C.



TECHNICAL SHEET



Product name:

DENATOP P

Page: 2/2

Date: 13.4.2016

Recommended coating system:	<p>1 - 2 layers of DENAKOR HG 56, optimum paint thickness of 80 -120 μm DFT, the re-spray interval with two layers is 24 hrs at 20 °C; if additional drying is employed at temperatures up to 80 °C, the interval can be reduced up to 2 hrs.</p> <p>1 - 2 layers of DENATOP P, dispersion acrylic enamel, optimum layer thickness of 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>Other anticorrosion primers of the DENAKOR series or the epoxy primer EPOXIDEN Z can also be used as primers.</p>												
Spreading capacity and recommended thickness:	<p>The recommended coat thickness ranges from 80 to 120 μm DFT</p> <table border="1"><tr><td>Wet-film thickness WFT (μm)</td><td>180</td><td>270</td></tr><tr><td>Dry-film thickness DFT (μm)</td><td>80</td><td>120</td></tr><tr><td>Theoretical spreading rate (m^2/kg)</td><td>4.65</td><td>3.10</td></tr><tr><td>Theoretical spreading rate (kg/m^2)</td><td>0.25</td><td>0.30</td></tr></table>	Wet-film thickness WFT (μm)	180	270	Dry-film thickness DFT (μm)	80	120	Theoretical spreading rate (m^2/kg)	4.65	3.10	Theoretical spreading rate (kg/m^2)	0.25	0.30
Wet-film thickness WFT (μm)	180	270											
Dry-film thickness DFT (μm)	80	120											
Theoretical spreading rate (m^2/kg)	4.65	3.10											
Theoretical spreading rate (kg/m^2)	0.25	0.30											
Packaging:	Plastic or metal containers weighing 0.8 - 200 kg.												
Storage:	<p>Store in original, 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:	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												