



TECHNICAL SHEET



Product name:

EPOXIDEN ZPage: 1/2
Date: 13.4.2016

Characteristics:	Priming anticorrosion two-pack epoxy paint		
Description:	Water-thinnable anticorrosion priming two-pack epoxy paint containing anticorrosion pigments, extenders, additives and ingredients enhancing paint properties.		
Composition (general):	Mixture based on epoxy dispersion		
Application:	It is used for steel and aluminum components and structures in mechanical engineering, foundries and other branches of the metal industry in civil engineering and refurbishments and wherever high corrosion and chemical resistance is required.		
Colors:	It is produced in selected RAL colors or in the agreed shades.		
Properties:	Paint:	EPOXIDEN TUŽIDLO	Hardened mixture
Density (g/cm³):	1.4 – 1.6	1.14	1.4 – 1.6
Volume solids ONL (%):	45 - 55	100	50 - 60
Weight solids (%):	60 - 70	100	65 - 75
KU viscosity:	80 - 85		60 - 80
Flow time by use of flow cups F6 (s):	50 - 100		12 - 60
pH (at 20 °C):	8 - 10		8 - 10
VOC (volatile organic compounds) (kg/kg):	does not contain	-	does not contain
0.006 TOC (total organic carbon content) (kg/kg):	does not contain	-	does not contain
Maximum permissible value of VOC content (g/l):	140		
Max. VOC content in the product in the ready-to-use condition (g/l):	does not contain		
Water-thinnable paint category:	A/j multiple-pack reactive paints with a special function for specific purposes.		
Appearance/color:	viscous liquid		
Gloss value (at 60°):	5 (matte)		
Pendulum hardness (2H/80 °C):	min. 30%		
Miscibility:	miscible with water		
Drying, degree 1 (surface dry):	40 min		
Drying time, degree 2 (dry to the touch):	45 min		
Drying time, degree 4 (dry-through):	8 hrs		
Chemical resistance	Motor oil, Natural (Super) automotive petrol, diesel, weak acids and bases, Savo		
Substrate preparation:	The substrate must be dry, free from any rust and mechanical and greasy impurities. The recommended and most suitable cleaning methods include blasting the surface or degreasing using a suitable agent.		
Application conditions:	The air and substrate temperatures during the application and drying of the paint shall not fall below +15 °C.		
Thinning:	Water, the paint can be thinned only after discussion with the manufacturer – a max. of 20 %.		
Hardening:	EPOXIDEN Z and EPOXIDEN TUŽIDLO should be mixed in the ratio recommended by the manufacturer; the ratio for the specific type of application is 100:20. The hardening agent should always be added to the paint during continuous stirring. Use a suitable stirring device for mixing (e.g. a drill with a stirrer). After thorough mixing, the consistency of the mixture shall be adjusted by adding a max. of 20 parts of water. The open time of the hardened mixture is a min. of 2 hrs.		
Recommended method of application:	With a brush, a roller or by spray painting - air, pneumatic, high-pressure - Airless, Airmix		



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Recommended coating system:	<p>1 - 2 layers of EPOXIDEN Z , optimum paint thickness of 80 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 by up to 2 hrs.</p> <p>1-2 layers of DENAPUR, two-pack polyurethane enamel, optimum layer thickness of 80 µm DFT, the re-spray interval between the substrate and the enamel must be at least 4 hrs. If two enamel layers are employed, the coating interval is 24 hrs at 20 °C - if additional drying not exceeding 80 °C is employed, the interval can be reduced.</p> <p>The open time of the hardened mixture is a max. of 4 hrs.</p> <p>EPOXIDEN E or DENATOP P or DENATOP P/AU can also be used as top coats.</p> <p>The paints can be additionally dried at 50 - 80 °C.</p>								
Application data:									
Spreading capacity and recommended thickness:	<table border="1"><tr><td>Wet-film thickness WFT (µm)</td><td>150</td></tr><tr><td>Dry-film thickness DFT (µm)</td><td>80</td></tr><tr><td>Theoretical spreading rate (m²/kg)</td><td>4.40</td></tr><tr><td>Theoretical spreading rate (kg/m²)</td><td>0.25</td></tr></table>	Wet-film thickness WFT (µm)	150	Dry-film thickness DFT (µm)	80	Theoretical spreading rate (m ² /kg)	4.40	Theoretical spreading rate (kg/m ²)	0.25
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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 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 soap 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.								
Legislation, certificates, attestations, other tested parameters:	See the Declaration of Conformity								