



# TECHNICAL SHEET



Product name:

**EPOXIDEN EZ**Page: 1/2  
Date: 13.4.2016

<b>Characteristics:</b>	Anticorrosion two-pack epoxy paint		
<b>Description:</b>	Two-pack, water-thinnable anticorrosion priming and top epoxy coat intended for painting steel and aluminum components and structures.		
<b>Composition (general):</b>	Mixture based on epoxy dispersion containing anticorrosion and color pigments, extenders, additives and other ingredients affecting the properties of the paint.		
<b>Application:</b>	Single-layer anticorrosion and top coats for steel and aluminum components and structures in mechanical engineering, foundries and other branches of the metal industry as well as for surface treatments in the chemical industry, in civil engineering and refurbishments and wherever high corrosion and chemical resistance is required. The paint is fit for use in the interior.		
<b>Colors:</b>	It is made according to RAL color charts or in the agreed colors.		
<b>Properties:</b>	<b>Paint:</b>	<b>EPOXIDEN TUŽIDLO</b>	<b>Hardened mixture</b>
<b>Density (g/cm<sup>3</sup>):</b>	1.3 – 1.6	1.14	1.3 – 1.6
<b>Volume solids ONL (%):</b>	45 - 55	100	50 - 60
<b>Weight solids (%):</b>	55 - 65	100	65 - 75
<b>KU viscosity:</b>	60 - 80		60 - 80
<b>Flow time by use of flow cups F6 (s):</b>	12 - 60		12 - 60
<b>pH (at 20 °C):</b>	8 - 10		8 - 10
<b>VOC (volatile organic compounds) (kg/kg):</b>	-	-	-
<b>0.006 TOC (total organic carbon content) (kg/kg):</b>	-	-	-
<b>Maximum permissible value of VOC content (g/l):</b>	140		
<b>Max. VOC content in the product in the ready-to-use condition (g/l):</b>	does not contain		
<b>Water-thinnable paint category:</b>	A/j multiple-composition reactive coatings with a special function for specific purposes.		
<b>Appearance/color:</b>	viscous liquid		
<b>Gloss value (at 60°):</b>	60 - 80		
<b>Pendulum hardness (2H/80 °C):</b>	min. 20		
<b>Miscibility:</b>	miscible with water.		
<b>Adhesion by the grid-cutting method:</b>	Degree 0 (cut edges are completely smooth and free of any defects)		
<b>Drying, degree 1 (surface dry):</b>	4 hrs		
<b>Drying time, degree 2 (dry to touch):</b>	12 hrs		
<b>Drying time, degree 4 (dry-through):</b>	16 hrs		
<b>Chemical resistance:</b>	Motor oil, Natural (Super) automotive petrol, diesel, weak acids and bases, Savo		
<b>Substrate preparation:</b>	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.		
<b>Application conditions:</b>	The air and substrate temperatures during the application and drying of the paint shall not fall below +15 °C.		
<b>Thinning:</b>	Water, the paint can be thinned only after discussion with the manufacturer – a max. of 20 %.		
<b>Hardening:</b>	EPOXIDEN EZ and EPOXIDEN TUŽIDLO should be mixed in the ratio recommended by the manufacturer; the common ratio for the specific type of application is 100:25. 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 approx. 2-4 hrs and it is dependent on the temperature and hardening ratio.		



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<b>Recommended method of application:</b>	With a brush, a roller or by spray painting - air, pneumatic, high-pressure - Airless, Airmix												
<b>Recommended coating system:</b>	1 - 2 layers of EPOXIDEN EZ, optimum paint thickness of 120 - 160 $\mu\text{m}$ DFT, the re-spray interval with two layers is 24 hrs at 20 °C; if additional drying is employed at temperatures to 80 °C, the interval can be reduced by up to 2 hrs.												
<b>Spreading capacity and recommended thickness:</b>	<p>The recommended coat thickness ranges from 120 to 160 <math>\mu\text{m}</math> DFT</p> <table border="1"><tr><td>Wet-film thickness WFT (<math>\mu\text{m}</math>)</td><td>220</td><td>290</td></tr><tr><td>Dry-film thickness DFT (<math>\mu\text{m}</math>)</td><td>120</td><td>160</td></tr><tr><td>Theoretical spreading rate (<math>\text{m}^2/\text{kg}</math>)</td><td>3.00</td><td>2.30</td></tr><tr><td>Theoretical spreading rate (<math>\text{kg}/\text{m}^2</math>)</td><td>0.33</td><td>0.44</td></tr></table>	Wet-film thickness WFT ( $\mu\text{m}$ )	220	290	Dry-film thickness DFT ( $\mu\text{m}$ )	120	160	Theoretical spreading rate ( $\text{m}^2/\text{kg}$ )	3.00	2.30	Theoretical spreading rate ( $\text{kg}/\text{m}^2$ )	0.33	0.44
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<b>Packaging:</b>	Plastic or metal containers weighing 0.8 - 200 kg.												
<b>Storage:</b>	Store in original, 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.												
<b>Disposal of packaging and waste:</b>	Dispose of the contents/packaging according to the manufacturer's instructions or at an entity authorized to dispose of the waste.												
<b>Safety and hygiene:</b>	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 and water. 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.												
<b>Legislation, certificates, attestations, other tested parameters:</b>	See the Declaration of Conformity												