



# TECHNICAL SHEET



Product name:

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<b>Characteristics:</b>	Anticorrosion fast-drying single-layer paint		
<b>Description:</b>	<b>DENAS 2v1</b> is a single-pack, water-thinnable, fast-drying, single-layer paint formulated on the basis of acrylic dispersion. It contains an anticorrosion pigment and modified zinc-phosphate, color pigments, fine extenders, coalescent agents and other ingredients enhancing 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. The paint features adhesion to steel, galvanized sheet and aluminum, fast drying, excellent anticorrosion properties, resistance to UV radiation and climatic conditions.		
<b>Composition (general):</b>	Mixture based on acrylic dispersion		
<b>Application:</b>	Surface treatment of steel structures, metal roofs, plumbing elements -also <b>for fresh galvanized steel</b> , aluminum, steel fences, masts and other metal materials in civil engineering and refurbishment.		
<b>Shades:</b>	It is produced in the following color shades: black, white, brown, dark brown, russet, ocher, ivory, blue, green, yellow, gray, silver and others according to the color charts of RAL, EUROTREND, NCS, ČSN or in the agreed color shades.		
<b>Properties:</b>	<b>Paint:</b>		
<b>Density (g/cm<sup>3</sup>):</b>	1.1 - 1.35		
<b>Volume solids ONL (%):</b>	35 - 45		
<b>Weight solids (%):</b>	40 - 55		
<b>VOC (volatile organic compounds) (kg/kg):</b>	0.02 – 0.03		
<b>0.006 TOC (total organic carbon content) (kg/kg):</b>	0.01 - 0.02		
<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>	47		
<b>Water-thinnable paint category:</b>	A/i - single-pack paints with a special function.		
<b>pH (at 20 °C)</b>	8 - 10		
<b>Appearance/color:</b>	Liquid		
<b>Gloss (%):</b>	30 - 40		
<b>Hardness (%):</b>	min. 25		
<b>Viscosity/Flow time (mPa.s):</b>	85 - 100		
<b>Miscibility:</b>	Miscible with water.		
<b>Resistance to condensation of water (hrs)</b>	min 120		
<b>Adhesion (by the grid-cutting method):</b>	Degree 0 (cut edges are completely smooth and free of any defects)		
<b>Drying time, degree 1 (dust-free):</b>	30min		
<b>Drying time, degree 2 (dry to touch):</b>	40 min.		
<b>Drying time, degree 4 (dry-through)</b>	45 min.		
<b>Substrate preparation:</b>	The substrate must be dry, free from any mechanical and greasy impurities, and residues of old paint incoherent with the substrate.		
<b>Application conditions:</b>	The air and substrate temperatures during the application and drying of the paint shall not fall below +10 °C.		
<b>Thinning:</b>	The paint is prepared for direct application and it shall not be thinned before application.		
<b>Recommended method of application:</b>	With a paint brush, a paint roller or air spray painting		
<b>Recommended coating system:</b>	DENAS 2v1		
<b>Application</b>	The enamel shall be applied to the pre-prepared surface in a single layer or in two layers.		



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<b>data:</b>	
<b>Spreading capacity and recommended thickness:</b>	The theoretical spreading capacity is 6 - 8 kg/m <sup>2</sup> at the optimum thickness of 50 µm for one layer.
<b>Packaging:</b>	Plastic or metal containers weighing 0.7 kg, 3 kg, 10 kg and 20 kg.
<b>Storage:</b>	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. Use within 36 months of the date of manufacture. The product must not freeze.
<b>Disposal of packaging and waste:</b>	Paint residues and contaminated packaging shall be disposed of as hazardous waste in accordance with the applicable regulations.
<b>Safety and hygiene:</b>	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.
<b>Legislation, certificates, attestations, other tested parameters:</b>	See the Declaration of Conformity