

**TECHNICAL DATA SHEET**

## Epoxy primer 2:1



Two-component anticorrosive epoxy primer with very good durability of the coating, with high protective and insulating properties. The coating adheres very well to various surfaces; it is mechanically resistant and flexible. The coating is resistant to scratches, splashing of moderately aggressive chemicals (alkaline and salt solutions, gasoline and diesel oil) and to weather conditions. It can be directly covered with topcoats, but also it can work in the wet on wet system.

**FOR PROFESSIONAL USE!**

### RECOMMENDED USE

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- ◆ Active corrosion protection for passenger cars, trucks and transport vehicles.
- ◆ Very good adhesion to steel, galvanized steel, aluminium and polyester laminates.
- ◆ For car restoration.
- ◆ An ideal substrate that guarantees high durability and excellent appearance of the coating.
- ◆ Wherever high corrosion resistance is required.

### GROUND

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- ◆ old paint coats,
- ◆ steel,
- ◆ aluminium,
- ◆ galvanized steel, galvanized surfaces,
- ◆ polyester laminates.

**TECHNICAL DATA SHEET****TECHNICAL PROPERTIES**

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Density (app.) kg/dm <sup>3</sup>	1.3
Pot life of the components at 20°C, h	5
Curing time at 20°C, h	12
Curing time at 60°C, h	1
Theoretical performance for the film 35µ dm <sup>3</sup> /m <sup>3</sup> thick	0.07
Content of non volatile substances (app.), % weight/mixture	68
VOC (cat. B/3) permissible, g/l	540
VOC in the product, g/l, depending on thinning	420-510
Recommended quantity of layers	1-2

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**COLOURS**

- ◆ Beige.
- Coating gloss: semi-gloss

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**APPLICATION METHODS**

After opening the packages, mix the contents.

Mixture:

Mix the components in the following ratio:	by volume	by weight
Component I	2	100
Component II	1	30

After thorough mixing and dilution to spray viscosity, apply the product with a spray gun.

Airless spray, brush, air spray - when added 10% - viscosity DINØ 4 - 20-22 s:

- ◆ nozzle diameter 1.2 – 1.6 mm
- ◆ spraying pressure 3.0 – 4.0 atm

Recommended application of 2-3 layers:

- ◆ sanding version: apply 2-3 single wet layers with time for the thinner to evaporate 5-10 minutes after each layer. The evaporation time depends on the temperature and the thickness of the layer.
- ◆ wet on wet version: apply 2 single layers, leaving a 10-15 minutes evaporation time after each layer. The evaporation time depends on the temperature and the thickness of the layer. If the time of applying the next layer is longer than 12 hours - sand the primer.
- ◆ Possibility of post-hardening of the primer at increased temperature after about 25 minutes from the application of the last layer (the time needed to obtain the proper levelling and initial evaporation of the solvents).

The recommended amount of thinner for the mixture is 10-15% by volume.

## TECHNICAL DATA SHEET

### SURFACE PREPARATION

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Degreased surface - free of contamination, free of oil, grease, dust, old paint coating loosely bound to the substrate, rolling scale, rust and other impurities.

The surface should be sanded with 120 - 220 paper, free from grease, dust and corrosion and dry.

- ◆ Steel surface should be dry, free from contaminants, degreased - cleaned to a purity degree of at least Sa 2 (blasting) for external surfaces. For external surfaces, it is allowed to clean to a degree of cleanliness of at least St 3 (manual cleaning or with the use of power tools according to PN-ISO 12944-4).
- ◆ Old paint coats should be degreased and dry sanded with P220-P360 paper,
- ◆ Non-seasoned surfaces of hot-dip galvanized steel and dry aluminium surfaces should be matted with fine-grained abrasive cloth.
- ◆ Galvanized surfaces should be free from any contamination, zinc corrosion products. Cleaning with hot water, pressurized water, abrasive sweeping or manual cleaning using power tools.
- ◆ The surface prepared for painting should be dry, free of salt, grease, dust and other impurities.
- ◆ To obtain adequate corrosion protection, the total thickness of the coating should not be less than 80 µm.

Additional information:

The content of volatile organic compounds (VOC) in products of RANAL in accordance with the Regulation of the Minister of Economy of January 16, 2007 (Journal of Laws of January 24, 2007) and EU Directive 2004/42 / CE of April 21, 2004.

### PAINTING CONDITIONS:

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- ◆ minimum ground temperature 5°C,
- ◆ surface with a temperature above the dew point (to avoid condensation),
- ◆ relative air humidity not more than 85%,
- ◆ efficient ventilation.

### SHELF LIFE OF THE PRODUCT

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Primer: 24 months from the production date in originally sealed container at the temperature of 5-35°C.

Hardener: 12 months from the production date in originally sealed container at the temperature of 5-35°C.

### HEALTH AND SAFETY RECOMMENDATIONS

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According to the Material Safety Data Sheet of particular product.

**WARNING!** Product for professional use in industry. Information concerning the safety of use of the product is included in the Material Safety Data Sheet.

**TECHNICAL DATA SHEET****PACKAGING**

<b>Item No</b>	<b>Capacity</b>	<b>Package, pcs.</b>	<b>Package weight, kg</b>
11301 (primer)	1 l		
11302 (hardener)	0.5 l		
11301-1 (set)	0.5+0.25 l		

This information is based on careful laboratory research and many years of experience. Strong market position does not absolve us from constant control of the quality of our products. However, we are not responsible for the final results after incorrect use of the product.