

TECHNICAL INFORMATION

FOR PROFESSIONAL USE ONLY

2K ANTICORROSIVE EPOXY PRIMER 4:1 RANGERS



COLOUR: light grey

GLOSS GRADE: matt

PRODUCTS

Anticorrosion Epoxy Primer 4:1 RANGERS
Hardener 1:4 for Anticorrosion Epoxy Primer RANGERS
Thinner for epoxy products RANGERS

PRODUCT DESCRIPTION

High-quality 2-component epoxy primer with anti-corrosion additives designed specifically for use under Rangers 2K polyurethane protective coating. It perfectly protects steel surfaces from corrosion in the automotive repair process, while strengthening and prolonging the anti-corrosive effect of the Rangers protective coating. At high dilution, it can be applied using wet-on-wet technique.

- Excellent protection of steel surfaces.
- Very high adhesion to various surfaces.
- Easy application process and smooth spreadability.

VOLATILE ORGANIC COMPOUNDS

VOC = 382 [g/l] (4:1+15%)

VOC = 430 [g/l] (4:1+25%)

VOC = 498 [g/l] (4:1+50%)

This product meets the requirements of the European Union Directive (2004/42/EC/II B), which for this product category (e) sets the VOC value at 540 g/l.

SURFACE PREPARATION

Rangers ANTI-CORROSIVE EPOXY PRIMER can be applied to:

- Steel and aluminum after matting and degreasing.
- Galvanized, galvanized steel after matting and degreased.
- Sanded polyester/glass laminates (GRP/GRP) and epoxy-glass.
- Polyester and epoxy putties.
- Old coatings in good condition after matting and degreasing.



Good surface preparation is necessary to achieve the best repair results.

We recommend sandpaper of the following gradation:

- Hand sanding (dry or wet): P280÷P320 (GRP P400).
- Machine sanding (dry): P180÷P220.

APPLICATION PROCESS

USE		NUMBER OF LAYERS									
	For car repairs as a filling primer or isolation primer, for sending or wet wet technique.		<p>Number of layers : 2÷3 layers. Recommended layer thickness:</p> <ul style="list-style-type: none"> • isolation primer: 50÷70µm dry film. • filling primer, for sending: 200÷250µm dry film. 								
	<table border="1"> <thead> <tr> <th>MIXING RATIO</th> <th>BY VOLUME</th> </tr> </thead> <tbody> <tr> <td>Primer</td> <td>4</td> </tr> <tr> <td>Hardener</td> <td>1</td> </tr> <tr> <td>Thinner</td> <td>15÷50%</td> </tr> </tbody> </table> <p>Stir thoroughly until achieving homogenous mixture.</p>	MIXING RATIO	BY VOLUME	Primer	4	Hardener	1	Thinner	15÷50%		<p>Spray Gun Parameters: RP Nozzle: 1,6÷2,0 mm; Pressure : 2,0-2,2 bar. HVLP Nozzle: 1,5÷1,9 mm; pressure inside the nozzle: 2,0 bar.</p>
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	<p>SRAYING VISCOSITY</p> <p>Thinning 15%: 55÷60 seconds at 20°C DIN4 Thinning 25%: 35÷40 seconds at 20°C DIN4 Thinning 50%: 18÷20 seconds at 20°C DIN4</p>		<p>HARDENING TIME</p> <p>Depending on the layer thickness:</p> <ul style="list-style-type: none"> • at 20°C - approx. 8 hours • at 60°C - approx 45 minutes <p>Temperature below 20°C significantly increases the hardening time.</p>								
	<p>POT LIFE</p> <p>Approx. 3 hours at 20°C</p>		<p>IR DRYING</p> <p>10÷15 minutes under short wave for thickness 150÷200µm Do not exceed 60°C. Use as recommended by the equipment manufacturer. Wait about 10 minutes before starting the heater drying.</p>								
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	DRY SANDING		WET SANDING
	Machine sanding: P360÷P500. Hand sanding: P280÷P320.		Machine sanding: P600÷P1000. Hand Sanding: P800÷P1000.

FURTHER WORKS

The 2-component anti-corrosion epoxy primer can be directly applied over the 2-component epoxy primer:

- 2-component polyurethane protective coating Rangers.
- 2-component topcoats.
- 1-component basecoats.
- 2-component acrylic primers.
- 2-component polyester putties.
- 2-component epoxy putties.

GENERAL NOTES

- Do not exceed recommended doses of the hardener!
- The best repair results can be achieved by painting at room temperature. The temperature in the body shop and the temperature of the product should be similar.
- When working with 2K products, it is recommended to use personal protection equipment. Protect the eyes and airways.
- The rooms should be well ventilated.
- Clean the guns and equipment immediately after use.

Caution: To maintain safety, always follow the instructions given in the MSDS for the products. Do not exceed recommended doses of hardener!

STORAGE

Store the product components between 15 to 25°C in a sealed container, in dry and cool places, away from fire and heat sources, as well a direct sunlight.

Note:

1. After each use close the container with products immediately.
Protect the hardener against frost and humidity!

WARRANTY PERIOD

Anti-corrosive Epoxy Primer 4:1	12 months from the date manufacture
Hardener 1:4 for Epoxy Primer	12 months from the date manufacture
Thinner for Epoxy Primer RANGERS	24 months from the date manufacture

PRODUCT	ART. NO.
Anti-corrosive Epoxy Primer 4:1	15260 (0,8l + 0,2l)
Hardener 1:4 for Epoxy Primer	
Thinner for Epoxy Primer RANGERS	15287 (0,5l)

LIMITATION OF LIABILITY

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