
TECHNICAL INFORMATION

FOR PROFESSIONAL USE ONLY

RAL Acrylic Top Coat MS 2:1

PRODUCT

RAL Acrylic Top Coat 2:1.
Hardener 1:2 for RAL Acrylic Top Coat.
Thinner for RAL Acrylic Top Coat.

PRODUCT DESCRIPTION

2K Acrylic Top Coat with increased resistance to scratches and high resistance to climatic factors.

- ✓ Very good leveling.
- ✓ High coverage
- ✓ Hard and durable Coating.

Color – White and Black.

VOLATILE ORGANIC COMPOUNDS

VOC for mixture = 535[g/l]

The share of VOC is below 840 g/l. These products meet the EU directive (2004/42/EC/II B) that sets the VOC value for its category (e), at 840 g/l

SURFACE PREPARATION

Acrylic Paints can be applied over:



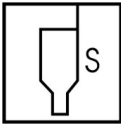
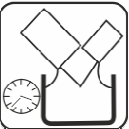



- ✓ 2K Acrylic Fillers and Primers.
- ✓ 2K Epoxy Primers.
- ✓ Old finishes in good condition after flatting and degreasing.

For matting we recommended the following:

- Grey Woven fabric with polishing compound.
- sanding paper with gradation of 600÷800 (for wet matting),

- sanding paper with gradation of 360÷400 (for machine matting).

APPLICATION PROCESS

	<p>Use For body car repairs requiring permanent finishing</p>						
	<p>Mixing ratio by volume</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">Top Coat</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Hardener</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Thinner</td> <td style="text-align: right;">10÷15%</td> </tr> </table>	Top Coat	2	Hardener	1	Thinner	10÷15%
Top Coat	2						
Hardener	1						
Thinner	10÷15%						
	<p>Spraying Viscosity 16÷18 seconds at 20°C.</p>						
	<p>Pot life About 5 hours at 20°C.</p>						
	<p>Number of layers: 2 layers, RP gun parameters: Nozzle: 1,3÷1,4 mm, Pressure: 2,0÷2,2 bar HVLP gun parameters: Nozzle: 1,3÷1,4 mm; Pressure: 2,0 bar</p>						
	<p>Evaporation Time</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Between layers :</td> <td style="text-align: right;">Approx. 5 minutes</td> </tr> <tr> <td>Before baking :</td> <td style="text-align: right;">Approx. 10 minutes</td> </tr> </table>	Between layers :	Approx. 5 minutes	Before baking :	Approx. 10 minutes		
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Before baking :	Approx. 10 minutes						
	<p>Curing Time</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">Dust free at 20°C:</td> <td style="text-align: right;">approx. 15 minutes</td> </tr> <tr> <td>Baking at 60°C:</td> <td style="text-align: right;">approx. 30 minutes</td> </tr> </table>	Dust free at 20°C:	approx. 15 minutes	Baking at 60°C:	approx. 30 minutes		
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<p>Temperature below 20°C significantly increases the drying time.</p>							

PRODUCT EFFICIENCY

1 liter of mixture is enough to cover a surface of 8-10 m² with a 50µm thick dry layer.

SHADING

Make sure you have covered the whole area with the base coat and do the shading only on a previously prepared area. Use FADE OUT THINNER to blend the dust that has settled around the repaired surface and to eliminate optical gloss differences between the old lacquer and the newly applied acrylic clear coat.

POLISHING AND ELIMINATING DEFECTS

Usually polishing is unnecessary, as the RAL Acrylic Clear Coat gives the surface a perfect look immediately after use. However, if some dirt inclusions appear, it is recommended to remove them wet, using sanding paper with gradation of 1500-2000 and then polish the surface with polishing compound.

The easiest way of polishing 2K surfaces is to do it within 24 hours after the coat has cooled down.

GENERAL INFORMATION

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

Caution: *To maintain safety, always follow the instructions given in the MSDS for the products.*

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 as direct sunlight.

Note:

1. *Close the container after use.*
2. *Protect the hardener from frost and dampness*

WARRANTY PERIOD

RAL Acrylic Top Coat 2:1 – 12 months from date of manufacturer.
Hardener 1:2 for RAL Top Coat – 6 months from date of manufacturer.

Limitation of liability:

The information contained in the TDS is up-to-date and correct on the day the information is released. Because TROTON can not control or predict the conditions under which a product will be used, each user should review information in the specific context of the intended usage. To the maximum extent permitted by applicable law, TROTON shall not be liable for damages of any kind arising from the use or reliance on information contained in this TDS.

Given the variety of factors that can affect the usage and application of the TROTON product, some of which are only within the user's knowledge and control range, it is essential that the user evaluate the TROTON product to determine if the product is fit for a particular purpose and whether the product is suitable for the user's usage.

Under no circumstances shall TROTON be liable to the user or any third party for any indirect, derivative, incidental, special or punitive damages, including loss of profits resulting from the use of products manufactured by TROTON and / or TROTON's services.

All information is based on meticulous laboratory tests and many years of experience. An established position on the market does not release us from continuous quality control of our products. However, we are not responsible for the final effects of improper storage or use of our products, and for work that is not in line with good craftsmanship.

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