

TECHNICAL INFORMATION

FOR PROFESSIONAL USE ONLY

<p>ZIRCON ACRYLIC CLEARCOAT MS 2:1</p>	
<p>PRODUCTS</p>	
<p>ZIRCON MS 2:1 acrylic clear coat Hardener STANDARD 1:2 for clear coat ZIRCON / DIAMENT Hardener SLOW 1:2 for clear coat ZIRCON / DIAMENT (for application under temp. > 25°C) Hardener FAST 1:2 for clear coat ZIRCON / DIAMENT (for application under temp. < 18°C) Thinner for acrylic systems INTER TROTON</p>	<p>COLOUR: Transparent GLOSS GRADE: high gloss</p>
<p>PRODUCT DESCRIPTION</p>	
<p>2-component acrylic clear coat with high gloss and increased resistance to scratches SR (Scratch resistant). Characterized by its universal use. Clear coat features easy application and is ready to use without the addition of thinner. The availability of 3 versions of hardener (standard, fast, slow) allows working in different temperature conditions.</p> <ul style="list-style-type: none"> • Ready to use without the addition of thinner. • Easy application and universal in use. • High gloss. • Hard and durable finish. • High scratch resistance. • Good fluidity. 	

<p>VOLATILE ORGANIC COMPOUNDS</p>	
<p>VOC for the mixture 539 g/l <i>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 840 g/l.</i></p>	
<p>SURFACE PREPARATION</p>	
<p>Acrylic clear coats can be applied over:</p> <ul style="list-style-type: none"> • Basecoats. • Existing coatings in good condition after sanding and degreasing. 	<p>For matting we recommend:</p> <ul style="list-style-type: none"> • grey non-woven abrasive cloth with matting compound. • sanding paper 600÷800 (for wet sanding), • sanding paper 360÷500 (for machine sanding).

APPLICATION PROCESS									
	<p>USE</p> <p>For automotive refinishing repairs that require a durable finish.</p>		<p>SPRAYING VISCOSITY</p> <p>15÷17 seconds at 20°C.</p>						
	<p>MIXING RATIO By volume</p> <table border="1"> <tr> <td>Clear coat</td> <td>2</td> </tr> <tr> <td>Hardener</td> <td>1</td> </tr> <tr> <td>Thinner</td> <td>0%</td> </tr> </table>	Clear coat	2	Hardener	1	Thinner	0%		<p>POT LIFE</p> <p>about 5 hours at 20°C.</p>
Clear coat	2								
Hardener	1								
Thinner	0%								
	<p>NUMBER OF LAYERS AND GUN PARAMETERS</p> <p>Number of layers 2-3 full layers, about 30 µm of dry layer.</p> <p>RP gun parameters Nozzle: 1.3÷1.4 mm; Pressure: 2,0÷2,2 bar.</p> <p>HVLP gun parameters Nozzle: 1.3÷1.4 mm; Inlet pressure: 2,0 bar.</p>		<p>DRYING TIME</p> <p>At temperature of 20°C Dust free: after approx. 30-35min Ready to polish: after drying overnight.</p> <p>At panel temperature of 60°C Clear coat is ready to polish after about 30 minutes of baking and cooling down (about 2 hours). Temperatures below 20°C significantly increases the drying time.</p>						
	<p>FLASH OFF TIME</p> <table border="1"> <tr> <td>Between layers:</td> <td>5÷10 minutes</td> </tr> <tr> <td>Before baking:</td> <td>Approx. 10 minutes</td> </tr> </table>	Between layers:	5÷10 minutes	Before baking:	Approx. 10 minutes		<p>IR DRYING</p> <p>15÷20 minutes under short waves, depending of the layer thickness and type of radiator. Do not exceed temperature of 60°C. Use as recommended by the equipment manufacturer. Wait about 10 minutes before starting IR drying.</p>		
Between layers:	5÷10 minutes								
Before baking:	Approx. 10 minutes								

EFFICIENCY

1 liter of mixture is enough to cover a surface of 8 m² with a layer thickness of 50 µm.

SHADING

Make sure you have covered the whole area with the base coat and the shading is done 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 ZIRCON MS 2:1 gives the surface a perfect finish immediately after application. However, if some dirt inclusions appear, we recommend removing them and then polishing the surface with an abrasive compound.

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.

STORAGE

Store the product components under temperatures of 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. After each use close the container with products immediately.
2. Protect the hardener against frost and humidity!

WARRANTY PERIOD

ZIRCON MS 2:1 Acrylic clear coat	- 24 months from the date of production
Hardener STANDARD 1:2 for acrylic clear coat ZIRCON	- 12 months from the date of production
Hardener SLOW 1:2 for acrylic clear coat ZIRCON / DIAMENT	- 12 months from the date of production
Hardener FAST 1:2 for acrylic clear coat ZIRCON / DIAMENT	- 12 months from the date of production
Thinner for acrylic systems INTER TROTON	- 24 months from the date of production

PRODUCTS
ART. No.

ZIRCON MS 2:1 Acrylic Clear Coat	14937; 14938 (1l; 5l)
Hardener STANDARD 1:2 for acrylic clear coat ZIRCON / DIAMENT	14942; 14945 (0,5l; 2,5l)
Hardener SLOW 1:2 for acrylic clear coat ZIRCON / DIAMENT	14944; 14947 (0,5l; 2,5l)
Hardener FAST 1:2 for acrylic clear coat ZIRCON / DIAMENT	14943; 14946 (0,5l; 2,5l)
Thinner for acrylic systems INTER TROTON	300002236; 300002237 (1l; 5l)

LIMITATION OF LIABILITY

The information contained in this TDS sheet is up-to-date and correct on the day the information is released.

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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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