

Line: Finishing products	Type: 2:1 MS anti-scratch transparent special finishes
Category: 2k special finishes	Code: 2031.01

Name or commercial logo: **AC110**

**Nature:** two-component clear coating made with medium content of solids (MS) acrylic resins added with UV filters. Low VOC. It polymerize by polyisocyanate resins.

**Use:** multilayer transparent finishing used to make partial/total remaking or adjustments in double layer coating cycles on opaque bases, pastel, metallic, crystal and opalescent effect to give them specular quality, clearness, gloss and to improve resistance qualities against weathering and chemical/physical agents. It increases the resistance to the scratches.

**Peculiarities:**

- excellent stretching and elasticity; quick air drying, in oven or by IR rays exposition;
- mirror-like final film, durable transparency and glossy, non-yellowing, excellent scratch and stone chip resistance, easily polished, compatible with water-based coats.

**Physical features:**

Aspect:	Transparent liquid, free from extraneous material	Supply viscosity:	0,473 Pa*s (Brookfield: RV 2, rpm 50)
Color:	Colorless.	Dry residue (mixing A+B):	43% (±2%)
Odour:	Typical of solvents.	Theoretical yield: (mixing A+B+C):	3,4 m <sup>2</sup> /l per 100 µm
Specific weight:	0.987 kg/l (± 0,020 Kg/l)		

**Directive 2004/42/EC:**

all. II B/e - special finishes, all kinds	840
Maximum VOC content limit value expressed in g/l of ready for use product (1.1.2007):	
AC110 ready for use	
(+50% of HARD AC 110 hardener, +20% of ACRYLDIL thinner, volume parts) VOC expressed in g/l:	595

**Applicative data:**

	Carefully clean the surface to eliminate paints fumes or every trace of grease, oil, silicone, fingerprints, glue and dust by means of an anti-silicone thinner for washing (our type NOSIL SN/184).											
	<table border="1"> <tr> <td>AC110 special finishing:</td> <td>100 ml</td> <td>100 g</td> </tr> <tr> <td>HARD AC 110 hardener:</td> <td>50 ml</td> <td>49,3 g</td> </tr> <tr> <td>ACRYLDIL thinner:</td> <td>20 ml</td> <td>18,4 g</td> </tr> </table> Carefully mix and filter before pour into airbrush cup.	AC110 special finishing:	100 ml	100 g	HARD AC 110 hardener:	50 ml	49,3 g	ACRYLDIL thinner:	20 ml	18,4 g		
AC110 special finishing:	100 ml	100 g										
HARD AC 110 hardener:	50 ml	49,3 g										
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	Pot life at 23 °C: 5h, 30'		Application viscosity: 17" Ford cup Ø 4 at 23 °C									
	<table border="1"> <tr> <td>Type</td> <td>nozzle Ø</td> <td>pressure at the nozzle</td> </tr> <tr> <td>Standard:</td> <td>1,2 - 1,3</td> <td>4 bar</td> </tr> <tr> <td>HVLP / LVLP:</td> <td>1,2 - 1,3</td> <td>1,8 - 2,2 bar</td> </tr> </table>	Type	nozzle Ø	pressure at the nozzle	Standard:	1,2 - 1,3	4 bar	HVLP / LVLP:	1,2 - 1,3	1,8 - 2,2 bar		1 gripping coat + 2 full coat at interval of 10 minutes. Advised final thickness: max 40 + 50 µm
Type	nozzle Ø	pressure at the nozzle										
Standard:	1,2 - 1,3	4 bar										
HVLP / LVLP:	1,2 - 1,3	1,8 - 2,2 bar										
	Dust free at 23 °C: 25'		Dry to the touch at 23 °C: 120' 60 °C: 45'									
	Dry to the touch: 12'		Ready to assembly at 23 °C: 12h at 60 °C: 60'									
	Total dry (23 °C): 24 h											
	The product lifetime is of 12 months from delivery date, if the product is stored in a dry place at temperature between 10 °C and 35 °C, in unopened original containers, away from sparks and flames, according to general sales conditions.											

**Warnings & Precautions:**

	<ul style="list-style-type: none"> <li>- Read carefully the Safety Data Sheet before use;</li> <li>- Product specifically for PROFESSIONAL USE;</li> <li>- Respect all laws in force concerning the use of polyurethane products;</li> <li>- Store and apply the product at a temperature not inferior to 20 °C;</li> <li>- Ensure that the temperature of the support to be treated is compatible with the product storage temperature;</li> <li>- Avoid using A+B mix that has exceeded the pot-life time, the final film might not stick well.</li> </ul>
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**Consumer information:**

The information here contained are based on our knowledge at the moment. We reserve the right to make changes in the characteristic data of the product in relation with technological progress or productive developments. Due to factors beyond our control in the applicative phase of the product, the information here contained are not a form of guarantee for specific qualities of the product itself, nor its suitability for a specific application. If a responsibility is determined, this will be limited to the value of the provided products used by the consumer. We guarantee however the constancy in the quality of our products. Our responsibility concerns only the area of the General Sales Conditions. This Technical Data Sheet supersedes all the previous.

