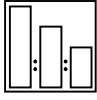
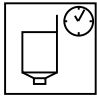







Technical data sheet

NOVAKRYL 2+1 MS

Acrylic clearcoat*

PROPERTIES			
<p>NOVAKRYL 2+1 MS – an acrylic clearcoat characterised by easy application, good flowability and quick drying which facilitates work and shortens the time in which the vehicle remains in the painting cabin. High hardness, UV resistance and weather resistance guarantee high durability, while the gloss and depth ensure an excellent appearance of the paint coating. NOVAKRYL MS is available in versions with the slow, standard or fast hardener; the selection of specific hardener depends on the application conditions.</p>			
RELATED PRODUCTS			
H 5120	Hardener Standard, Fast and Slow.		
THIN 850	Acrylic thinner Standard, Fast and Slow		
PLUS 770	Elasticity increasing agent		LT-04-01
PLUS 750	Acrylic accelerating agent		LT-04-02
PLUS 760	Antisilicone additive		LT-04-04
THIN 890	Fade out Thinner.		LT-06-05
SUBSTRATES			
Compatible with the majority of solvent and waterborne basecoats available on the market.			
MIXING RATIO			
	NOVAKRYL 2+1MS H 5120 THIN 850	Volume ratio	Weight ratio
		2	100
		1	50
		20%	18
Apply the thinner in the amount calculated for the clearcoat.			
VISCOSITY			
	DIN 4/20°C	16 – 18 s	
CONTENT OF VOLATILE ORGANIC COMPOUNDS			
VOC	570 g/l		
For ready to use mixture.			

APPLICATION CONDITIONS						
It is recommended to apply the clearcoat at a temperature above 15°C and a humidity of no more than 80 %. Under such conditions, the cured coating can be used after no less than 14 hours.						
APPLICATION						
 <p>CAUTION: Instructions of the equipment manufacturer must be followed.</p>	Conventional gravity fed spray gun	Nozzle	Pressure	Distance		
		1.3 – 1.4 mm	3 – 4 bar	15 – 20 cm		
	Low-pressure gravity fed spray gun	1.2 – 1.3 mm	2 bar	10 – 15 cm		
	Number of layers	2 – 3				
	Single dry layer thickness	20 – 25 µm				
	The yield of the ready to use mixture for the given range of dry layer thickness	7.2 m ² /l at 50 µm				
	Mixture life at 20°C	H 5120 Slow, Standard		H 5120 Fast		
		2 h		30 min		
	Flash-off time between layers	5 – 10 min				
CURING TIMES						
	H 5120 Slow		H 5120 Standard		H 5120 Fast	
	20°C	60°C	20°C	60°C	20°C	60°C
Dust-free	30 min	6 min	25 min	5 min	20 min	5 min
Tack-free	4 h	15 min	3 h	10 min	1.2 h	10 min
Operating hardness	14 h	45 min	14 h	45 min	12 h	35 min
Ending hardness	7 days	45 min + 3 days/20°C	7 days	45 min + 3 days/20°C	5 days	35 min + 3 days/20°C
<p>CAUTION: The curing times apply to the temperatures of the individual elements. Drying the coat with a fast hardener at an increased temperature can deteriorate the gloss and make it necessary to polish the coat. The fast hardener should not be used with the PLUS 750 acrylic accelerating agent.</p>						
IR DRYING						
	Distance	Follow the recommendations of the equipment manufacturer				
	Time depending on the type and power of the lamp	10 – 25 min				
CAUTION: Start IR heating no sooner than 10 mins after applying the last layer.						

THIN 850 ACRYLIC THINNER			
Surface	15 — 20°C	20 — 25°C	25 — 35°C
Small 1-2 elements, spot repair	H 5120 Fast THIN 850 Fast	H 5120 Standard / Fast THIN 850 Fast	H 5120 Standard THIN 850 Standard
Medium 3-5 elements	H 5120 Fast THIN 850 Fast	H 5120 Standard THIN 850 Standard	H 5120 Standard THIN 850 Slow
Large more than 5 elements	H 5120 Fast THIN 850 Standard	H 5120 Standard THIN 850 Slow	H 5120 Slow THIN 850 Slow
EQUIPMENT CLEANING			
THIN 850 acrylic thinner or NC solvent.			
STORAGE CONDITIONS			
Store in a cool dry room, away from sources of fire and heat. Avoid direct exposure to sunlight.			
SHELF LIFE			
NOVAKRYL 2+1MS	24 months/20°C		
H 5120 Standard, Slow	18 months/20°C		
H 5120 Fast	12 months/20°C		
THIN 850	24 months/20°C		
SAFETY			
See Safety Data Sheet.			
NOTES			
*Intended for professional use only. Non-compliant with the requirements of Directive 2004/42/CE. Use in the countries of the European Union is possible only after meeting the additional requirements of Directive 1999/13/EC and domestic regulations that implement the Directives.			
OTHER INFORMATION			
Registration number: 000024104. The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.			

ADDITIONAL INFORMATION

WEIGHT QUANTITY OF COMPONENTS: 2+1+20%

CAUTION!

In order to obtain a paint coating with appropriate parameters it is very important to exactly dose the individual components.

Mixture quantity	NOVAKRYL 2+1MS	H 5120	THIN 850
0.10 l	59 g	30 g	10.5 g
0.15 l	89 g	45 g	16 g
0.20 l	117 g	60 g	21 g
0.25 l	146 g	74 g	26 g
0.30 l	176 g	89 g	31 g
0.40 l	234 g	119 g	42 g
0.50 l	293 g	149 g	52 g
0.75 l	439 g	223 g	78 g
1.00 l	585 g	298 g	105 g