








Technical data sheet

NOVAKRYL 530 MAT

Matt acrylic clearcoat

Two-component matt acrylic clearcoat with increased scratch resistance (SR)

PROPERTIES			
NOVAKRYL 530 MAT – a matt acrylic clearcoat that is highly scratch resistant (SR). The clearcoat has a high hardness and weather resistance. It is available in versions with the slow, standard or fast hardener; the selection of specific hardener depends on the application conditions. It is possible to adjust the matt level by adding any Professional glossy clearcoat at a suitable ratio to NOVAKRYL 530 MAT.			
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
SUBSTRATES			
Compatible with the majority of solvent and waterborne basecoats available on the market.			
MIXING RATIO			
	NOVAKRYL 530 MAT	Volume ratio	Weight ratio
	H 5120	2	100
	THIN 850	1	47
		10% ÷ 20%	8 ÷ 16
Apply the thinner in the amount calculated for the clearcoat.			
Application notes: The longer the curing time is, the less is the coat prone to clouding, especially on large surfaces at high temperatures. Using a slow thinner and a higher thinning rate improves the distribution of the matting additives in the coat.			
VISCOSITY			
	DIN 4/20°C	14 ÷ 21 s	
CONTENT OF VOLATILE ORGANIC COMPOUNDS			
VOC II/B/e limit*		840 g/l	
Actual VOC content		545 g/l	
* For ready to use mixture acc. to EU Directive 2004/42/CE			

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				
 CAUTION: Instructions of the equipment manufacturer must be followed.	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 – 30 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		
		2 h		
	Flash off between layers at 20°C	5 – 10 min		
CURING TIMES				
	H 5120 Slow		H 5120 Standard	
	20°C	60°C	20°C	60°C
Dust-free	40 min	6 min	35 min	5 min
Tack-free	4 h	15 min	3.5 h	10 min
Operating hardness	14 h	45 min	14 h	45 min
Ending hardness	7 days	45 min + 3 days/20°C	7 days	45 min + 3 days/20°C
CAUTION: The curing times apply to the temperatures of the individual elements.				
IR DRYING				
	Distance Time depending on the type and power of the lamp	Follow the recommendations of the equipment manufacturer 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 Standard THIN 850 Standard	H 5120 Standard THIN 850 Standard	H 5120 Standard THIN 850 Slow
Medium 3-5 elements	H 5120 Standard THIN 850 Standard	H 5120 Standard THIN 850 Slow	H 5120 Standard THIN 850 Slow
Large more than 5 elements	H 5120 Standard THIN 850 Standard	H 5120 Standard THIN 850 Slow	H 5120 Slow THIN 850 Slow
GLOSS LEVELS WITH CLEARCOATS			
Mixing volume ratio: Novakryl 530 MAT matt clearcoat / any Professional glossy clearcoat			Gloss level
75 / 25			Semi-gloss
90 / 10			Semi-matt
100 / 0			Matt
Due to the various versions of acryl coats, varying gloss levels can be obtained. It is recommended to do a test spray to check the obtained gloss.			
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 530 MAT	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.			
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+10%			
CAUTION!			
In order to obtain a paint coating with appropriate parameters it is very important to exactly dose the individual components.			
Mixture quantity	NOVAKRYL 530 MAT	H 5120	THIN 850
0.10 l	65 g	31.6 g	5.6 g
0.15 l	98 g	47 g	8 g
0.20 l	130 g	63 g	11 g
0.25 l	163 g	79 g	14 g
0.30 l	195 g	95 g	17 g
0.40 l	260 g	126 g	22 g
0.50 l	325 g	158 g	28 g
0.75 l	488 g	237 g	42 g
1.00 l	650 g	316 g	56 g

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 530 MAT	H 5120	THIN 850
0.10 l	61 g	30 g	10.5 g
0.15 l	92 g	45 g	16 g
0.20 l	122 g	60 g	21 g
0.25 l	153 g	74 g	26 g
0.30 l	184 g	89 g	31 g
0.40 l	245 g	119 g	42 g
0.50 l	306 g	149 g	52 g
0.75 l	459 g	223 g	78 g
1.00 l	612 g	298 g	105 g