

Technical data sheet

NOVAKRYL 575 "Antigraffiti"

Acrylic clearcoat






Acrylic clearcoat with integrated anti-graffiti protection, hardened with aliphatic isocyanate.


RELATED PRODUCTS

HARD 45 STANDARD	Hardener for UHS acrylic products standard
HARD 45 FAST	Hardener for UHS acrylic products fast
THIN 50	Universal thinner, slow, standard, and fast

PROPERTIES

- Suitable for easy removal of graffiti
- Increased scratch resistance (SR)
- MS technology – easy application
 - Great flowability
 - Fast drying
- Easy adaptation to changing application conditions
- Certificate of Conformity from the Polish Railway Institute

SUBSTRATES				
Base layers		Dry matt surface.		
MIXING RATIO				
	NOVAKRYL 575 HARD 45 THIN 50	Volume ratio		Weight ratio
		2		100
		1		50
		10%		9
Apply the thinner in the amount calculated for the clearcoat.				
VISCOSITY				
	DIN 4/20°C		16 - 19 s	
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/e limit*		840 g/l		
Actual VOC content		510 g/l		
* For ready to use mixture acc. to EU Directive 2004/42/CE				
APPLICATION CONDITIONS				
The temperature of the coat, coated surface and environment should be between +10°C and +35°C at a maximum relative humidity of 80%.				
TEMPERATURE RESISTANCE				
The operating temperature of the applied primer is between -60°C and +80°C. Transient temperatures up to +120°C maximum are permitted.				
APPLICATION				
	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
		1.3 - 1.4 mm	3 - 4 bar	15 - 20 cm
CAUTION: Instructions of the equipment manufacturer must be followed.	Low-pressure gravity fed HVLP spray gun	1.2 - 1.3 mm	2 bar	10 - 15 cm
	Number of layers	2 - 3		
	Single dry layer thickness	20 - 25 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided mixing ratio	10.6 m ² /l 0.09l/ m ² at 50 µm NOVAKRYL 575 + HARD 45 (2+1)		
	Mixture life at 20° C	HARD 45 STANDARD		HARD 45 FAST
		6 hours		1 hour

	Flash-off time between layers	5 -10 min				
TECHNICAL DATA						
Product	Solids content by weight	Solids content by volume		Density		
NOVAKRYL 575	≈ 48 %	≈ 46 %		≈ 1.00 g/cm ³		
HARD 45	≈ 68 %	≈ 66 %		≈ 1.03 g/cm ³		
NOVAKRYL 575 + HARD 45 : 2+1	≈ 55 %	≈ 53 %		≈ 1.01 g/cm ³		
GLOSS						
Approx. 90 / 20°						
CURING TIMES						
	Hardener HARD 45 STANDARD			Hardener HARD 45 FAST		
	10°C	20°C	60°C	10°C	20°C	60°C
Dust-free	-	40 min.	15 min.	6 hours	25 min.	-
Tack-free	-	6 hours	35 min.	24 hours	4 hours	-
Operating hardness	-	21 hours	60 min.	72 hours	12 hours	-
<p>CAUTION: The curing times apply to the temperature of specific elements. Drying the coat with a fast hardener at an increased temperature can deteriorate the gloss and make it necessary to polish the coat.</p>						
USE						
Hardener	Recommended working temperature			Repair type		
HARD 45 FAST	below 18°C			small and large-scale repairs or complete re-painting		
HARD 45 STANDARD	18 - 35°C			coating of large surfaces		
<p>The coated surface must be dry. The coat, coated surface and ambient temperatures must be between +10°C and +35°C; the relative humidity must not exceed 80%. The coated surface temperature must exceed the dew point by at least 3°C.</p>						
EQUIPMENT CLEANING						
THIN 50 universal thinner or NC solvent.						
STORAGE CONDITIONS						
Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +35°C.						

SHELF LIFE *	
NOVAKRYL 575	24 months/20°C
HARD 45 STANDARD	18 months/20°C
HARD 45 FAST	12 months/20°C
THIN 50	24 months/20°C
* In original sealed packaging	
SAFETY	
See Safety Data Sheet.	
OTHER INFORMATION	
<p>Registration number: 000024104.</p> <p>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.</p>	