

Acrylic filler

Filling acrylic primer hardened with aliphatic isocyanate.

RELATED PRODUCTS

HARD 10 STANDARD Hardener Standard

HARD 10 Hardener Fast

THIN 50 Universal thinner Standard, fast and slow

USE:

- Means of transport
- Machines and equipment

PROPERTIES

- Acrylic "wet on wet" primer with reduced volatile organic compounds (VOC) content
 - Perfect hiding power and flowability
 - High efficiency
 - Perfect filling properties
 - Good chemical resistance
 - Good mechanical resistance
 - Possibility of the application up to 350 μm wet in a single layer



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SUBSTRATES									
Steel		Clean steel surfaces until reaching Sa 2½ (wet blasting) or St3 (manual cleaning or using a power tool) in accordance with the PN-ISO 12944-4 standard; the surface after the treatment must be free from oil, grease, dust, loose old paint coating, mill scale, rust and foreign contaminants; the surface should exhibit the gloss of the metal substrate.							
Old paint coatings	S	Degrease and dry sand with P220 – P360 paper.							
Polyester putties		Dry sand, use P240 - P320 for final sanding.							
Stainless steel		Degrease and mat with sand paper P240 – 320. Degrease again.							
Wash primers		Without preparation, after 15 minutes.							
Epoxy primers		Up to 48 hours without sanding, sand with P320 after 48 hours							
Plastics, except for PE, PTFE and mixtures thereof		Degrease with the PLUS 780 silicone degreaser and mat with an abrasive finishing pad. Degrease again and apply the PLUS 700 adhesion increasing agent and the PLUS 770 elasticity increasing agent.							
Polyester laminat	es	Dry sand with P280, degrease again.							
MIXING RATIO									
		Primir		ersion	Wet on wet version				
			Volume ratio	Weight ratio	Volume ratio		Weight ratio		
	PROTECT 321		5	100	5		100		
	HARD 10		1	12	1		12		
	THIN 50		35 % 18		45 % 23		<u> </u>		
VICCOSITY			Apply the th	inner in the amount ca	alculated for th	e primer.			
VISCOSITY			Driming	Wet on wet version					
DIN 4/20 °C			Priming v	/ersion	wet on wet version				
		C	24 – 28 s			19 – 23 s			
SPRAYING PAR	AMETERS								
CAUTIO	ON: Instruction	ns of the	equipment manufacture	er must be followed.					
	Priming	version			Wet on	wet versi	on		
Pneumatic spraying		Airless spraying		Pneumatic spraying			Airless spraying		
nozzle: Ø1.6 - 1.8 mm, pressure: 3 - 4 bar distance: 15 - 20 cm		0.28 ÷ 0.33 mm (0011" ÷ 0013 "), pressure: 100 - 120 bar, air jacket: 2 bar distance: 10-15 cm		nozzle: Ø1.2 - 1.4 mm, pressure: 3 - 4 bar distance: 15 - 20 cm		0.23 ÷ 0.28 mm (0.009" ÷ 0.011 "), pressure: 100 - 120 bar, air jacket: 2 bar distance: 10-15 cm			



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APPLICATION											
				Priming version			Wet on wet version				
	Nun	lumber of layers			1 - 2			1 - 2			
	CAUTION: The minimum acrylic primer thickness is 120 μm on steel substrates. Maximum thickness of acrylic filler should not exceed 220 μm.										
	Sin	ingle dry layer thickness.			40 - 60 μm			25 - 35 μm			
	Efficiency of the ready to apply mixture for a dry layer thickness in the provided range				approx. 10.2 m ² /l 0.10 l/ m ² at 60 μm			approx. 17.4 m²/l 0.06 l/ m² at 35 μm			
		and provided range		PROTECT 321 + HARD 10 (5+1)							
	The actual efficiency depends on the surface shape, roughness and application parameters.										
	HAF	Mixture life at 20°C HARD 10 Standard HARD 10 Fast				4 hours 2 hours			5 hours 2.5 hours		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Flas	lash off time between layers			10 -	10 - 15 min.		5 - 10 min.			
CURING TIME											
	Time to sand. For the max. thickness of 150 μm.		HAF	HARD 10 STANDARD			HARD 10 FAST				
			10°0	С	20°C	60 °C	10	0°C	20°C	60 °C	
			-		4 hours	45 min	8 ho	ours	3 hours	30 min	
SANDING											
	Dry sanding				P240 - P500						
COATABILITY											
Apply the topcoat after 30 mins at 20°C at a primer thickness of 60μm		30 10°C			20°C			60°C			
		3 hours HARD 10 STANDARI			45 min. HARD 10 STANDARD			30 min. HARD 10 STANDARD			
Topcoat application time for a 60 µm thick primer. 2 hours HARD 10 FAST			ST		35 min. HARD 10 FAST 20 min. HARD 10 FAST				FAST		
Coatable by all NOVOL	_ topc	oats. The maximum co	oating tir	ne w	ithout mating	is 48 h.					



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TECHNICAL DATA							
Product	Solids content by weight			Fineness of grind			
PROTECT 321	≈ 78 %	≈ 62 %	≈ 1.69 g/cm ³	< 12.5μm			
HARD 10	≈ 56%	≈ 55%	≈ 1.03 g/cm ³				
PROTECT 321 + HARD 10 (5+1)	≈ 74%	≈ 61%	≈ 1.57 g/cm ³	< 12.5μm			
CONTENT OF VOLATILE ORGANIC COMPOU	NDS						
VOC II/B/c limit *		540) g/l				
Actual VOC content, priming version	500 g/l						
Actual VOC content, wet on wet version		520 g/l					
* For the ready to apply mixture in the filling vers	ion compliant with Dire	ective UE 2004/42/0	DE.				
COLOUR MATCHING							
Colour matching can be done with colour acrylic the colour-matched primer.	topcoats at max. 15%	of volume. Count the	ne hardener content fo	r the total quantity			
APPLICATION CONDITIONS							
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The coated surface should be dry.

The temperature of the coat, coated surface and environment should be between +10°C and +35°C at a maximum relative humidity of 80%.

The coated surface temperature should exceed the dew point by a minimum of 3°C.

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.

COLOUR

Beige.

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: $+5^{\circ}$ C to $+35^{\circ}$ C.

SHELF LIFE *

24 months/20 °C
18 months/20 °C
12 months/20 °C
24 months/20 °C

^{*} In original sealed packaging



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SAFETY

See Safety Data Sheet.

OTHER INFORMATIONS

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.