

Technical Data Sheet

PUR TOPCOAT 120

2K polyurethane topcoat – satin

Two-component polyurethane topcoat
hardened with aliphatic isocyanate

RELATED PRODUCTS

PIGMENT PASTES
PUR HARD–TOPCOAT 120
THIN 50





Universal pigment pastes
Hardener for 2K polyurethane topcoat
Universal thinner

USE:

- Transport vehicles
- Machines and equipment
- Outer surfaces of tanks
 - Steel structures



PROPERTIES

- Very good yield
- Good hiding power and flowability
 - High chemical resistance
 - Perfect mechanical resistance
- Very good resistance to the weather

SUBSTRATES				
Base coats: acrylic, polyurethane or epoxy coats		Prepare according to the base coat specification.		
Old coatings		Mat down and degrease.		
Polyester laminates		Mat down and degrease.		
MIXING RATIO				
		Volume ratio	Weight ratio	
	PUR TOPCOAT 120	4	100	
	PUR HARD-TOPCOAT 120	1	22	
	THIN 50	5 - 15%	5 - 15	
Apply the thinner in the amount calculated for the topcoat.				
VISCOSITY				
	DIN 4/20°C at 4+1+10%	35 - 45 s		
VOC CONTENT				
Actual VOC		approx. 520 g/l, depending on the colour		
APPLICATION CONDITIONS				
<p>The surface to be coated must be dry. The coat, surface to be coated, and ambient temperatures must be between +10°C and +35°C; the relative humidity must not exceed 80%. The temperature of the surface to be coated must exceed the dew point by at least 3°C.</p>				
TEMPERATURE RESISTANCE				
<p>The operating temperature range of the topcoat is -60°C to +80°C. Maximum permitted short-term operating temperature: +120°C.</p>				
APPLICATION				
 <p>CAUTION: Follow the equipment manufacturer's guidelines</p>	Pneumatic spraying	Nozzle	Pressure	Distance
		1.5 - 1.7 mm	2 - 4 bar	15 - 20 cm
	Number of layers	1 - 2		
	Single dry layer thickness	20 - 30 µm		

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	The yield of the ready to use mixture for the specified range of dry film thickness:	8 - 10 m ² /l 0.12 - 0.09 l/ m ² at 50 µm		
	Mixture life at 20°C	8 h for PUR HARD-TOP COAT 120		
	Flash-off time between layers	10 - 15 min.		
TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Rub
PUR TOPCOAT 120	≈ 49 - 58%	≈ 47 - 56%	≈ 0.99 - 1.15 g/cm ³	< 15 µm
PUR HARD TOPCOAT 120	30%	28%	0.98 g/cm ³	—
PUR TOPCOAT 120 + PUR HARD TOPCOAT 120: 4+1	≈ 46 - 54%	≈ 44 - 52%	≈ 0.99 - 1.15 g/cm ³	< 15 µm
GLOSS				
approx. 80 - 85 @ 60°, depending on the colour				
CURING TIMES				
	PUR HARD-TOPCOAT 120 hardener			
	10°C	20°C	60°C	
Dust-free	-	35 min	15 min	
Tack-free	-	6 h	35 min	
Operating hardness	-	24 h	60 min	
CAUTION: The curing times apply to the temperatures of the individual workpieces.				
EQUIPMENT CLEANING				
THIN 50 universal thinner or NC solvent.				
STORAGE CONDITIONS				
Store in a dry room, away from sources of fire and heat at +5 to +35°C. Avoid exposure to sunlight.				
SHELF LIFE*				
PUR TOPCOAT 120		24 months/20°C		

Pigment pastes	24 months/20°C
PUR HARD-TOPCOAT 120	18 months/20°C
THIN 50	24 months/20°C
* In originally sealed packaging	
SAFETY	
See the Safety Data Sheet.	
OTHER INFORMATION	
<p>Index 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 perform a test application of the product due to its potentially different reaction with different materials. We cannot be held liable for defects if the final results were affected by factors beyond our control.</p>	