

Technical data sheet

# ARMORTOPCOAT PU 1000-10

green 6031  
brown 8027  
black 9021

## **Polyurethane topcoat**

Two-component, matt polyurethane topcoat  
hardened with aliphatic isocyanate

## RELATED PRODUCTS

**ARMORHARDENER PU 100-10**

Hardener for polyurethane topcoat

**ARMORTHIN PU 10-01**





Thinner for polyurethane topcoat

- **USE:**

- Military vehicles
- Military equipment



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SUBSTRATES					
Epoxy primer: ARMORPRIMER EP 2000-20		Prepare in accordance with the information contained in the primer specification.			
Old paint coatings		Mat and degrease.			
MIXING RATIO					
			Volume ratio	Weight ratio	
	ARMORTOPCOAT PU 1000-10		5	100	
	ARMORHARDENER PU 100-10		1	18	
ARMORTHIN PU 10-01		15%	12		
Apply the thinner in the amount calculated for the topcoat.					
VISCOSITY					
	DIN 4/20°C		21 ÷ 25 s		
CONTENT OF VOLATILE ORGANIC COMPOUNDS					
Actual VOC content		approximately 595 g/l depending on the colour			
APPLICATION CONDITIONS					
<p>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.</p>					
TEMPERATURE RESISTANCE					
<p>The operating temperature of the applied primer is between -60°C and +80°C.            Transient temperatures up to +120°C maximum are permitted.</p>					
APPLICATION					
 <p><b>CAUTION:</b>            Instructions of the equipment manufacturer must be followed.</p>			Nozzle	Pressure	Distance
	Pneumatic spraying		1.3 ÷ 1.5 mm	2 ÷ 4 bar	15 ÷ 20 cm
	Airless spraying in air jacket.		0.28 ÷ 0.33 mm (0.011" ÷ 0.013")	100 ÷ 120 bar Air jacket 2 bar	10 ÷ 15 cm
Brush, roller		Acceptable for spot repairs and painting small areas.			
	Number of layers		2		
	The recommended thickness of the topcoat should be 50-60 µm.				
	Single dry layer thickness.		25÷30 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided range		7 m <sup>2</sup> /l 0.14 l/ m <sup>2</sup> at 60 µm		

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	Mixture life at 20°C	5 hours		
	Flash off between layers, time to apply the next layer of topcoat	Pneumatic, airless spraying	Brush, roller	
		10 ÷ 15 min	1 hour	
<b>TECHNICAL DATA</b>				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
ARMORTOPCOAT PU 1000-10	≈ 43 ÷ 46 %	≈ 37 ÷ 40 %	≈ 1.08 ÷ 1.14 g/cm <sup>3</sup>	< 12.5µm
ARMORHARDENER PU 100-10	45 %	45 %	0.98 g/cm <sup>3</sup>	—
ARMORTOPCOAT PU 1000-10 + ARMORHARDENER PU 100-10 (5+1)	≈ 43 ÷ 47 %	≈ 38 ÷ 41 %	≈ 1.05 ÷ 1.15 g/cm <sup>3</sup>	< 12.5µm
<b>GLOSS</b>				
At 85° < 8				
<b>CURING TIMES</b>				
	10°C	20°C	60°C	
Dust-free	4 hours	25 min.	10 min.	
Tack-free	12 hours	1 hour	15 min.	
Operating hardness	48 hours	12 hours	45 min.	
CAUTION: The curing times refer to the temperatures of the individual components and apply to a topcoat thickness of 60 µm.				
<b>COLOR</b>				
Green 6031 Brown 8027 Black 9021				
<b>EQUIPMENT CLEANING</b>				
Thinner for polyurethane topcoat ARMORTHIN PU 10-01 or NC solvent.				
<b>STORAGE CONDITIONS</b>				
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.				

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SHELF LIFE *	
ARMORTOPCOAT PU 1000-10	24 months/20 °C
ARMORHARDENER PU 100-10	18 months/20 °C
ARMORTHIN PU 10-01	24 months/20 °C
* In original sealed packaging	
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.	