

Technical data sheet

# **ARMORTOPCOAT PU 4000-10**

green 6031

brown 8027

black 9021

## **Direct Camouflage Application PU Paint**

Two-component polyurethane paint for direct application of camouflage patterns, mat finish, 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




## **PROPERTIES:**

- Camouflage coating in compliance with the Polish Defence Standard NO 80-A200 without any need for a dedicated epoxy primer
- Camouflage coating in compliance with the Polish Defence Standard NO 80-A200 on old, original paint coats

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

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SUBSTRATES				
Epoxy primer:		Prepare in accordance with the information contained in the primer specification.		
Old paint coatings		Mat and degrease.		
Steel		The paint provides integrated anti-corrosion protection. The topcoat can be applied directly to spot-sanded steel surfaces. Clean steel surfaces until reaching Sa 2 <sup>1/2</sup> (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.		
MIXING RATIO				
	ARMORTOPCOAT PU 4000-10 ARMORHARDENER PU 100-10 ARMORTHIN PU 10-01	Volume ratio	Weight ratio	
		5	100	
		1	18	
		15%	12	
Apply the thinner in the amount calculated for the topcoat.				
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
Actual VOC content		approximately 595 g/l depending on the colour		
APPLICATION CONDITIONS				
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.				
APPLICATION				
 <b>CAUTION:</b> Instructions of the equipment manufacturer must be followed.	Pneumatic spraying	Nozzle	Pressure	Distance
		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 m²/l 0.14 l/ m² at 60 µm	

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	Mixture life at 20°C	3 hours		
	Flash off between layers, time to apply the next layer of topcoat	Pneumatic, airless spraying	Brush, roller	
		10 ÷ 15 min	1 hour	
TECHNICAL DATA				
Product	Solids content by weight	Solids content by volume	Density	Fineness of grind
ARMORTOPCOAT PU 4000-10	≈ 43 ÷ 46 %	≈ 37 ÷ 40 %	≈ 1.08 ÷ 1.14 g/cm³	< 12.5µm
ARMORHARDENER PU 100-10	45 %	45 %	0.98 g/cm³	——
ARMORTOPCOAT PU 4000-10 + ARMORHARDENER PU 100-10 (5+1)	≈ 43 ÷ 47 %	≈ 38 ÷ 41 %	≈ 1.05 ÷ 1.15 g/cm³	< 12.5µm
GLOSS				
At 85° < 8				
CURING TIMES				
	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 an topcoat thickness of 60 µm.				
COLOR				
Green 6031 Brown 8027 Black 9021				
EQUIPMENT CLEANING				
Thinner for polyurethane topcoat ARMORTHIN PU 10-01 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.				

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SHELF LIFE *	
ARMORTOPCOAT PU 4000-10	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	
<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>	