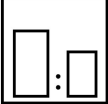








Intended use

Mipa PU 850-05 2K-PU-Klarlack matt colourless (BAJ86-0001) is a two-component matt varnish with light stabilizers according to TL 8010-0002 class II Type 7. It is suitable as topcoat for military equipment that has been coated in flecktarn camouflage.

WIWeB certificate: 440.05.02.L27A4.1, incl. resistance to chemical agents and decontaminants in accordance to STANAG 4360.

Processing instructions

	Mixing ratio						
	hardener		by weight (lacquer : hardener)	by volume (lacquer : hardener)			
	PU 955-25		4 : 1	4 : 1			
	Hardener						
	Mipa PU 955-25 2K-PU-Härter (BAZ94-0007)						
	Pot life						
	with hardener -25, approx. 3 h at 20 °C						
	Thinner						
	Mipa 2K-Verdünnung 971 (BAC97-0001)						
	Processing viscosity						
	Ready for use after addition of hardener, if necessary thin with Mipa 2K-Verdünnung.						
	gravity spray gun		Airmix/Airless				
	–		–				
	Application mode						
	application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution	
	gravity spray gun / HVLP	–	2,0 - 2,5	1,5	2 - 3	0 %	
	Drying time						
	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
	–	20 °C	5 - 10 min	60 min	16 h	–	–

Fully cured after 10 days (20 °C).

Note

Characteristics:	binder base:	polyurethane acrylic system
	solids content (% by weight):	~ 45
	solids content (% by volume):	~ 35
	delivery viscosity DIN 53211 4 mm (in s):	thixotropic
	density DIN EN ISO 2811 (kg/l):	~ 1,1
	gloss level ISO 2813 at 60° (GU):	5 - 10 matt

Properties:	electrostatic application possible particularly good flow of the wet film during the drying process highly UV-, weather and water-resistant high chemical resistance highly resistant to solvents scratch resistant excellent chemical and mechanical resistance heat resistance: - short-term heat exposure 180 °C - permanent heat exposure: 150 °C
Theoretical spreading rate:	~ 40,9 m ² /kg, 4:1 by weight with PU 955-25 hardener, for 10 µm dry film thickness ~ 42,4 m ² /l, 4:1 by weight with PU 955-25 hardener, for 10 µm dry film thickness
Storage:	For at least 1 year in the unopened original container. Optimum storage conditions between + 5 °C and + 25 °C, avoid direct sunlight. Other storage conditions may lead to undesirable properties of the material.
VOC:	< 560 g/l.
Processing conditions:	From + 10 °C and up to 80 % relative humidity. Ensure adequate air ventilation.
Substrate preparation:	Please consider: The following Mipa coating recommendations refer to general product properties of Mipa EP 175-20 and Mipa EA 184-20 and may differ from Bundeswehr or other military coating instructions. Generally, when painting devices of Bundeswehr or others, corresponding paint prescriptions and required coating structures must always be adhered to. We therefore strongly recommend consulting your technical advisor or our application technology department before carrying out any painting work on military equipment. Remove oil, grease, rust, mill scale, rolling skins, as well as other substances impairing the function of the coating! Attention: A direct adhesion cannot be taken as granted due to most different kinds of metals, alloys, metallic and conversion coatings and so on. The adhesion must therefore be tested on the original metal substrate. steel: - blast to cleaning degree Sa 2½, remove blast residues and overcoat promptly - de-rust with hand and power tools to degree of cleanliness St 3 - degrease with Mipa WBS Reiniger or Mipa Silikonentferner zinc substrates: - clean the surface with the ammonia solution Mipa Zinkreiniger - sweep blast aluminium: - degrease with Mipa 2K-Verdünnung, sand thoroughly with sandpaper P 360/400 and clean subsequently with Mipa Silikonentferner
Proposed coating structure:	finishing coat: camouflage coating PU 246-XX, PU 247-XX or Hydro Basecoat BBI86-6131 RAL 6031 F9 clear coat: PU 850-05 with 40 - 60 µm dry film thickness

Special notes:

For professional use only.

The gloss level may be higher or lower depending on the thickness of the coat, drying and color of the base coat.

Stir well before use.

When exposed to heat during storage, the product may dry in the headspace of the container. These whitish layers cannot be dissolved completely by stirring. We therefore recommend using a pre-filter with mesh size < 55 µm.

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.