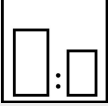








Intended use

Beside its very good filling properties, this 1K wash primer provides also an active corrosion protection and excellent adhesion on steel, zincd substrates and aluminium. Recoatable with solvent- and waterborne 1k and 2K paints. This product can be applied as primer or as primer filler.

Processing instructions

	Mixing ratio hardener		by weight (lacquer : hardener)	by volume (lacquer : hardener)				
	--	--	--	--				
	Hardener	--						
	Pot life	--						
	Thinner	Mipa 2K-Verdünnung V 10, V 25, V 40 Mipa Verdünnung UN 21						
	Processing viscosity gravity spray gun		Airmix/Airless					
	20 - 25 s 4 mm DIN		30 - 40 s 4 mm DIN					
	Application mode	application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution	
	gravity spray gun/ HVLP	--	--	2,0 - 2,2	1,3 - 1,8	2 - 3	40 - 50 %	
	Airmix / Airless compound pressure	--	--	1,0 - 2,0 100 - 120	0,23 - 0,33	1	5 - 10 %	
	Drying time	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
	--	--	20 °C	15 - 20 min	45 - 60 min	1 h	--	1 h
	--	--	60 °C	--	--	30 min	--	--

Fully cured after 2 - 3 days (20 °C).

Note

Characteristics:	binder base:	polyvinyl butyrale
	solids content (% by weight):	~ 50
	solids content (% by volume):	~ 30
	delivery viscosity DIN 53211 4 mm (in s):	100 - 120
	density DIN EN ISO 2811 (kg/l):	~ 1,3
	gloss level ISO 2813 at 60° (GU):	10 - 20 matt

Version: en 13/0324

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

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Properties:	short drying time active corrosion protection (zinc phosphate) electrostatic application possible heat resistance: - short-term heat exposure: 150 °C - permanent heat exposure: 120 °C adhesion on steel, zinc substrates and aluminium
Theoretical spreading rate:	~ 26,9 m ² /kg for 10 µm dry film thickness ~ 30,2 m ² /l for 10 µm dry film thickness
Storage:	For at least 2 years 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:	< 610 g/l.*
Processing conditions:	From + 10 °C and up to 80 % relative humidity. Ensure adequate air ventilation.
Substrate preparation:	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:	steel, zinc substrates, aluminium: priming coat: VB 100-20 with 20 - 30 µm dry film thickness finishing coat: **PU 200-XX / PU 240-XX with 50 - 60 µm dry film thickness when used as adhesion promoter steel, zinc substrates, aluminium: priming coat: 1 x VB 100-20 with 15 - 20 µm dry film thickness finishing coat: **PU 200-XX / PU 240-XX with 50 - 60 µm dry film thickness

Special notes:

This product contains the following maximum VOC-values:
- Applied by spraying: < 710 g/l of VOC.

**Further Mipa topcoats are available. Please contact your technical adviser or our application technicians.

For professional use only.

The details of the paragraphs - Proposed coating structure, Characteristics, Theoretical spreading rate, VOC - refer to the colour shade RAL 7035. For other colour shades, these may deviate.

With a dry film thickness of at least 50 µm, the primed objects can be stored outside up to 3 months without topcoat.

Do not apply on thermoplastic substrates.

Do not recoat with products containing polyester.

Not suitable as adhesion promoter on hard aluminium panels (use instead Mipa 2K-Washprimer).

If necessary, Mipa VB 100-20 PVB-Rapidprimer can be also applied in combination with Mipa Härter WPZ.

The mixing ratio is: Mipa VB 100-20 PVB-Rapidprimer + Mipa Härter WPZ 2:1 by volume

This mixture is ready for use and there is no need to add any thinner.

Pot life: 12 h at 20 °C

Important note: When using von VB 100-20 in combination with hardener Mipa Härter WPZ, it is not possible to overcoat this surface with epoxy-based or water-based paint systems or with polyester paint materials.

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.