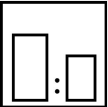








### Intended use

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

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

<b>Characteristics:</b>	binder base:	polyvinyl butyrale
	solids content (% by weight):	45 - 50
	solids content (% by volume):	27 - 30
	delivery viscosity DIN 53211 4 mm (in s):	100 - 120
	density DIN EN ISO 2811 (kg/l):	1,1 - 1,3
	gloss level ISO 2813 at 60° (GU):	10 - 20 matt

<b>Properties:</b>	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, zincd substrates and aluminium
<b>Theoretical spreading rate :</b>	22,6 - 26,9 m <sup>2</sup> /kg for 10 µm dry film thickness 28,5 - 30,2 m <sup>2</sup> /l for 10 µm dry film thickness
<b>Storage:</b>	at least 3 years in unopened original container.
<b>VOC Regulation :</b>	EU limit value according to Directive 2004/42/EC for this product (category B/c ): 780 g/l. This product contains the following maximum VOC-values: applied by spraying: < 710 g/l of VOC
<b>Processing conditions:</b>	from+ 10 °C and up to 80 % relative humidity. Ensure adequate air ventilation.
<b>Substrate preparation:</b>	<p>Remove oil, grease, rust, mill scale, rolling skins, as well as other substances impairing the function of the coating!</p> <p>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.</p> <p>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</p> <p>zincd substrates: - clean the surface with the ammonia solution Mipa Zinkreiniger - sweep blast</p> <p>aluminium: - degrease with Mipa 2K-Verdünnung, sand thoroughly with sandpaper P 360/400 and clean subsequently with Mipa Silikonentferner</p>
<b>Proposed coating structure:</b>	<p>steel, zincd 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</p> <p>when used as adhesion promoter steel, zincd 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</p> <p>*Further Mipa topcoats are available. Please contact your technical adviser or our application technicians.</p>

**Special notes:**

For professional use only.

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.