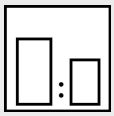
Intended use

Beside its very good filling properties, this 1K wash primer provides also an active corrosion protection and excellent adhesion on steel, zinced 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):	< 20 matt

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.

MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49 8703 92 20 · Fax: +49 8703 92 21 00 · mipa@mipa-paints.com · www.mipa-paints.com

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 to steel, zinced substrates and aluminium

Theoretical spreading rate:
~ 26,9 m²/kg for 10 µm dry film thickness.
~ 30,2 m²/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 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.

Zinced 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, zinced 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, zinced 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.

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.

MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49 8703 92 20 · Fax: +49 8703 92 21 00 · mipa@mipa-paints.com · www.mipa-paints.com

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.

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.

MIPA SE · Am Oberen Moos 1 · D-84051 Essenbach · Tel.: +49 8703 92 20 · Fax: +49 8703 92 21 00 · mipa@mipa-paints.com · www.mipa-paints.com