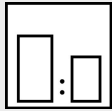


**Intended use**

2K PU HS chassis paint with active corrosion protection ideal for high-quality coating of chassis of commercial vehicles and trucks.

**Processing instructions**



**Mixing ratio**

hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
PU 900-25, PU 933-XX, H, MS	5 : 1	4 : 1
PU 914-XX	8 : 1	6 : 1
PU 916-XX, A 60	10 : 1	8 : 1



**Hardener**

Mipa PU 900-25, PU 933-05, PU 933-10, H 10, H 25, MS 25, MS 40  
 Mipa PU 914-10, PU 914-25, PU 914-40  
 Mipa PU 916-10, PU 916-25  
 Mipa PUR Plus-Härter A 60



**Pot life**

with hardener -10 approx. 1,5 h at 20 °C  
 with hardener A 60 approx. 8 h at 20 °C



**Thinner**

Mipa 2K-Verdünnung



**Spray viscosity**

**gravity spray gun**  
 20 - 25 s 4 mm DIN


**Airmix/Airless**  
 30 - 40 s 4 mm DIN



**Application mode**

application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution
gravity spray gun/ HVLP	PU 900 / 933 / H / MS	2,0 - 2,5	1,2 - 1,3	2 - 4	15 - 20 %
gravity spray gun/ HVLP	PU 914 / 916	2,0 - 2,2	1,5 - 2,0	1 - 3	0 - 5 %
Airmix / Airless	PU 900 / 933 / H / MS	100 - 120	0,23 - 0,28	1	0 - 10 %
Airmix / Airless	PU 914 / 916	100 - 120	0,23 - 0,28	1	0 - 5 %
brush, roller*	A 60	–	–	–	0 - 5 %

\*suitable : e. g. mohair, nap, velour, Glattfilt, Rolloplan, foam paint roller; unsuitable: –

	Drying time						
	hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
	-10	20 °C	15 - 30 min	2 - 3 h	12 h	--	--
	-10	60 °C	--	20 min	30 - 40 min	--	--
	-25	20 °C	30 - 45 min	3 - 4 h	16 h	--	--
	-25	60 °C	--	30 min	45 min	--	--
	-40 / A 60	20 °C	1,5 - 2 h	8 - 10 h	24 h	--	--
	-40 / A 60	60 °C	--	--	1 h	--	--
	PU 933-05	20 °C	30 - 45 min	1 - 2 h	12 h	--	--
	PU 933-10	20 °C	1,5 - 2 h	2 - 3 h	12 h	--	--

Fully cured after 7 - 8 days (20 °C).

**Note**

**Characteristics:** binder base: polyurethane acrylic system  
 solids content (% by weight): 71 - 77  
 solids content (% by volume): 54 - 59  
 delivery viscosity DIN 53211 4 mm (in s): thixotropic  
 density DIN EN ISO 2811 (kg/l): 1,4 - 1,6  
 gloss level ISO 2813 at 60° (GU): 50 - 60 semi-gloss

**Properties:** high-build application  
 active corrosion protection (zinc phosphate)  
 electrostatic application possible  
 highly water-resistant  
 highly UV- and weather-resistant  
 heat resistance:  
 - short-term heat exposure: 180 °C  
 - permanent heat exposure: 150 °C  
 adhesion on steel, zinc substrates and aluminium

**Theoretical spreading rate :** 40,9 - 42,6 m<sup>2</sup>/kg, 10:1 by weight with A 60, for 10 µm dry film thickness  
 57,0 - 60,8 m<sup>2</sup>/l, 10:1 by weight with A 60, for 10 µm dry film thickness  
 35,1 - 37,2 m<sup>2</sup>/kg, 5:1 by weight with PU 900-25, for 10 µm dry film thickness  
 48,0 - 49,9 m<sup>2</sup>/l, 5:1 by weight with PU 900-25, for 10 µm dry film thickness

**Storage:** at least 3 years in unopened original container.

**VOC Regulation :** EU limit value according to Directive 2004/42/EC for this product (category A/j): 500 g/l.  
 This product contains the following maximum VOC-values:  
 applied by brush/ roller with hardener A 60: < 400 g/l of VOC  
 applied by spraying with hardener PU 916-XX: < 420 g/l of VOC  
 applied by spraying with hardener PU 900-25, H, MS: < 500 g/l of VOC

**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

zincd 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:** single coat system  
steel, zincd substrates, aluminium:  
PU 265-50 with 60 - 100 µm dry film thickness

2-coat system

steel, zincd substrates:

- priming coat: \*EP 100-20 with 50 - 70 µm dry film thickness
- finishing coat: PU 265-50 with 50 - 60 µm dry film thickness

aluminium:

- priming coat: \*EP 100-20 with 25 - 30 µm dry film thickness
- finishing coat: PU 265-50 with 50 - 60 µm dry film thickness

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

**Special notes:** For professional use only.

Especially UV-resistant pigmentations (e.g. pastel shades for facades) are available on demand.

Check colour shade prior to application.

In case of application by means of an Airmix/Airless device, it is recommended testing beforehand the equipment for its suitability. If micro foam or blistering emerge during the application with an Airmix/Airless device, it is recommended adding more thinner or using the additives 2K-Systemzusatz PUA and PUS. Furthermore, the film thickness should be kept as low as possible.

If required we also offer hardeners and cleaning agents that are suitable for 2-component mixing and dosing units. Please contact your technical adviser or our application technicians.

Depending on the hardener in use and on the processing condition, the gloss level may prove to be higher or lower. The mentioned data refer to the hardener of series: PU 914-XX.

**Cleaning of tools:** Clean tools immediately after use with Mipa Nitroverdünnung.