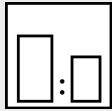


Intended use

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

PU 900-25, PU 912-XX,
PU 933-XX

PU 914-XX

PU 916-XX, A 60

by weight (lacquer : hardener)

5 : 1

8 : 1

10 : 1

by volume (lacquer : hardener)

4 : 1

6 : 1

8 : 1



Hardener

Mipa PU 900-25, PU 912-10, PU 912-25, PU 912-40, PU 933-05, PU 933-10

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

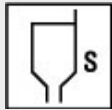
with hardener -10 approx. 1,5 h at 20 °C

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

40 - 50 s 4 mm DIN



Application mode

application mode

gravity spray gun/
HVLP

gravity spray gun/
HVLP

Airmix / Airless

Airmix / Airless

brush, roller*

hardener

PU 900 / 912 /
933

PU 914 / 916

PU 900 / 912 /
933

PU 914 / 916

A 60

pressure (bar)

2,0 - 2,5

2,0 - 2,2

100 - 120

100 - 120

–

nozzle (mm)

1,2 - 1,3

1,5 - 2,0

0,23 - 0,28

0,23 - 0,28

–

spray passes

2 - 4

1 - 3

1

1

–

dilution

15 - 20 %


0 - 5 %

0 - 10 %

0 - 5 %

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): 68 - 74
 solids content (% by volume): 53 - 56
 delivery viscosity DIN 53211 4 mm (in s): thixotropic
 density DIN EN ISO 2811 (kg/l): 1,3 - 1,5
 gloss level ISO 2813 at 60° (GU): > 70 satin 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 : 40,8 - 43,2 m²/kg, 10:1 by weight with A 60, for 10 µm dry film thickness
 55,3 - 58,3 m²/l, 10:1 by weight with A 60, for 10 µm dry film thickness
 35,3 - 38,0 m²/kg, 5:1 by weight with PU 900-25, for 10 µm dry film thickness
 47,0 - 48,4 m²/l, 5:1 by weight with PU 900-25, for 10 µm dry film thickness

Storage: for at least 3 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 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: < 430 g/l of VOC
 applied by spraying with hardener PU 900-25, PU 912-XX, PU 933-XX: < 510 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 265-70 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 265-70 with 50 - 60 µm dry film thickness

aluminium:

- priming coat: *EP 100-20 with 25 - 30 µm dry film thickness
- finishing coat: PU 265-70 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.