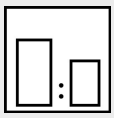
PU 350-50 2K PU Topcoat semi gloss Anti-Slip

Intended use

2K polyurethane acrylic anti-slip paint with long open time for high-quality anti-slip coatings on walkable machine parts and constructions. Suitable for paint brush and roller application.

Approval according to DIN EN 16165 - anti-slip property - R 11.

Processing instructions



Mixing ratio

hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
PU 900-25, PU 912-XX	5 : 1	4 : 1
A 60	10 : 1	8 : 1

Hardener

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

Mipa PUR Plus-Härter A 60

Pot life

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

with hardener A 60 approx. 8 h at 20 °C

Thinner

Mipa 2K-Verdünnung V 10, V 25, V 40

Processing viscosity

gravity spray gun	Airmix/Airless
thixotropic	--

Application mode

application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution
gravity spray gun/ HVLP	--	2,0 - 2,5	2,0 - 2,5	1 - 2	0 %
paint brush, roller*	A 60	--	--	--	0 - 5 %

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	--	--
A 60	20 °C	1,5 - 2 h	8 - 10 h	24 h	--	--
A 60	60 °C	--	--	60 min	--	--

Fully cured after 7 - 8 days (at 20 °C).

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Note

Characteristics:	binder base:	polyurethane acrylic system
	solids content (% by weight):	~ 78
	solids content (% by volume):	~ 62
	delivery viscosity DIN 53211 4 mm (in s):	thixotropic
	density DIN EN ISO 2811 (kg/l):	~ 1,5
	gloss level ISO 2813 at 60° (GU):	semi-gloss**

Properties:

long open time, can be applied in thick layers
highly water-resistant
highly UV- and weather-resistant
highly resistant to solvents
heat resistance:
- short-term heat exposure: 180 °C
- permanent heat exposure: 150 °C

Theoretical spreading rate:

~ 44,7 m²/kg, 10:1 by weight with A 60, for 10 µm dry film thickness
~ 62,8 m²/l, 10:1 by weight with A 60, for 10 µm dry film thickness
~ 39,2 m²/kg, 5:1 by weight with PU 900-25, for 10 µm dry film thickness
~ 52,0 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:

< 370 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

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

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Proposed coating structure:

2-coat system
steel, zinced substrates:
priming coat: ****EP 100-20 with 50 - 70 µm dry film thickness
finishing coat: PU 350-50 with 50 - 60 µm dry film thickness

aluminium:
priming coat: ****EP 100-20 with 25 - 30 µm dry film thickness
finishing coat: PU 350-50 with 50 - 60 µm dry film thickness

steel, zinced substrates, aluminium:
priming coat: ****Aktivprimer with 10 - 15 µm dry film thickness
finishing coat: PU 350-50 with 50 - 60 µm dry film thickness

3-coat system
steel, zinced substrates, aluminium:
priming coat: ****Aktivprimer with 10 - 15 µm dry film thickness
intermediate coat: ****PU 100-20 with 50 - 60 µm dry film thickness
finishing coat: PU 350-50 with 50 - 60 µm dry film thickness

Special notes:

*Suitable: e.g. mohair, nap, velour, roller Glattfilt, roller Rolloplan, foam paint roller.

**Due to the special surface, a measurement according to DIN EN ISO 2813 is inappropriate!

***This product has the following maximum VOC-values:
- Applied by brush/ roller with hardener A 60: < 380 g/l of VOC.
- Applied by spraying wiht 2K-Härter PU 900-25, PU 912-XX: < 440 g/l of VOC.

****Further Mipa primers 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.

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

Check colour shade prior to application.

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.

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.

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