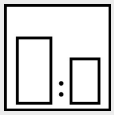
Intended use

Fast drying 2K polyurethane paint for high-quality finishes on furniture (bathroom, kitchen and office furniture). Can be applied by spray gun and curtain coater.

Processing instructions



Mixing ratio

hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
PU 912-XX, PU 950-25, H	10 : 1	--

Hardener

Mipa PU 912-10, PU 912-25, PU 950-25, H 5

Pot life

with hardener -10 approx. 8 h at 20 °C

Thinner

Mipa 2K-Verdünnung V 10, V 25, V 40

Processing viscosity

gravity spray gun	Airmix/Airless
20 - 25 s 4 mm DIN	--

Application mode

application mode	hardener	pressure (bar)	nozzle (mm)	spray passes	dilution
gravity spray gun/ HVLP	--	2,0 - 2,5	1,2 - 1,3	2 - 4	10 - 15 %
curtain coater	--	--	--	--	10 - 15 %

Drying time

hardener	object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
--	20 °C	15 - 20 min	--	--	50 - 60 min	--
--	60 °C	--	--	--	30 min	--

Stackable after 2 hours at 20 °C or after 30 minutes at 60 °C. Fully cured after 2 - 3 days (at 20 °C).

Note

Characteristics:

binder base:	polyurethane-CAB-system
solids content (% by weight):	~ 40
solids content (% by volume):	~ 23
delivery viscosity DIN 53211 4 mm (in s):	30 - 35
density DIN EN ISO 2811 (kg/l):	~ 1,2
gloss level ISO 2813 at 60° (GU):	10 - 20 matt

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Properties:	short drying time chemical resistance: stress group 1B highly water-resistant highly UV- and weather-resistant heat resistance: - short-term heat exposure: 120 °C - permanent heat exposure: 80 °C adheres on veneer, foil surfaces and solid wood
Theoretical spreading rate :	~ 23,9 m²/kg, 10:1 by weight with PU 912-10, for 10 µm dry film thickness ~ 24,5 m²/l, 10:1 by weight with PU 912-10, 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:	< 620 g/l.
Processing conditions:	From + 10 °C and up to 80 % relative humidity. Ensure adequate air ventilation.
Substrate preparation:	veneer surfaces (stained, unstained), foil surface, solid wood: - pre-sand with grit P 180 - P 280 and remove dust thoroughly glass: - Before coating, it is indispensable to determine definitely the recoatable glass surface (e.g. by means of an appropriate measure device to determine the tin side of float glass) because it is generally impossible to coat the side which came in contact with the tin bath. - degrease with Mipa WBS Reiniger or Mipa Silikonentferner
Proposed coating structure:	veneer surfaces (stained, unstained), foil surface, solid wood: priming coat: PU 230-10 with 50 - 60 µm dry film thickness finishing coat: PU 230-10 with 50 - 60 µm dry film thickness MDF: priming coat: VB 103-20 mit 40 - 50 µm Trockenschichtdicke finishing coat: PU 230-10 with 50 - 60 µm dry film thickness glass: pretreatment: 1K-Glasprimer finishing coat: PU 230-10 incl. PU 950-25 with 50 - 60 µm dry film thickness

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Special notes:

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.

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.

Cleaning of tools:

Clean tools immediately after use with Mipa Nitroverdünnung.

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