

Product description

Operational Sector : 2K-polyurethane-acryl high performance coating with a slow dust-free drying, designed to give good protection to a wide range of surfaces such as facades, machinery and construction. Also for rolling or brush application.

Specification :

Binder base:	Polyurethan-acryl-system
Solid content:	75 - 80 %
Delivery viscosity (DIN 53 211):	thixotrope
Spec. weight (DIN 51 757):	1.4 - 1.5 kg / l
Gloss (DIN 67 530):	20 - 30 % / 60° (satin mat)

Features :

- slow dust-free drying, for high thickness coatings
- electrostatically applicable
- high UV- and weathering resistance
- excellent water resistance
- resistance to solvents
- heat stability:
 - permanent exposure: 150 °C; short time exposure: 1 80 °C
- adhesion test (**DIN 53 151**):
 - steel: Gt 0 (very good); zinc: Gt 0 (very good);
 - aluminium: Gt 1 (good)

Storage : In tightly closed original containers at least 3 years shelf life

VOC legislation: EU limiting value for the product (cat. A/j): 500 g/l [4.17 lbs/gal]

This product contains the following max. VOC values:

- with **Härter A60** (application by brush or roller): < 400 g/l [3.33 lbs/gal]
- with **Härter PU 900-25, H 5, H 10, H 25, MS 40**: < 500 g/l [4.17 lbs/gal]
- **Härter HS 10, HS 25, HS 35, VHS 10, VHS 25**: < 420 g/l [3.50 lbs/gal]

Application

Processing Conditions: From + 10 °C and up to 80 % relative air humidity.

Substrate Preparation :

Ferrous metal, steel: clean, eventually sand (remove rust, cinder, oxides) and degrease with Mipa Silikonentferner (antisilicone).

Zinc: clean with ammonia alkaline wetting agent (Mipa Zinkreiniger)

Aluminium: clean, sand and degrease with Mipa Silikonentferner (anti-silicone).

Powder coated old facades, coil coated old facades: pre-clean with Mipa WBS Reiniger, wash with water, degrease with Mipa Silikonentferner.

When the existing coating is not in good condition and firmly adhering, apply a ground coat with Mipa Tiefgrund LH.

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Application Process :	Hardener	Pressure (bar)	Nozzle (mm)	Operations	Dilution
Air / Flow jar	PU 900-25 H 5 / H 10 / H 25 MS 40	3 - 5	1,3 - 1,5	2 - 4	15 - 20 %
HVLP		2,5 - 3	1,3 - 1,4	2 - 4	15 - 20 %
Air / Flow jar	HS 10 / HS 25 / HS 35 VHS 10 / VHS 25	3 - 5	1,6 - 2,5	1 - 3	0 - 5 %
Airless / Airmix	HS 10 / HS 25 / HS 35 VHS 10 / VHS 25	100 - 150	0,28 - 0,33	1	0 - 5 %
Brushing, rolling *	A 60	-	-	-	0 - 5 %

* **suitable:** mohair, fluff, suede, glatffilt, rolloplan; **not suitable:** foam roller

Dilution : Mipa 2K-Verdünnung
Hardener : Mipa PUR-Plus-Härter A60 (application by brush or roller)
Härter PU 900-25, H 5, H 10, H 25, MS 40
Härter HS 10, HS 25, HS 35, VHS 10, VHS 25

Mixing Ratio :	PU 900-25, H 5, H 10, H 25, MS 40	HS 10, HS 25, HS 35	VHS 10, VHS 25	A 60
by weight Paint : Hardener	5 : 1	8 : 1	10 : 1	10 : 1
by volume Paint : Hardener	4 : 1	6 : 1	8 : 1	8 : 1

Hardener	A 60			PU 900-25, H 25, HS 25, VHS 25			H 10, HS 10, VHS 10		
	dust dry	set to touch	handle	dust dry	set to touch	handle	dust dry	set to touch	handle
Obj. Temp. 20 °C	1½ - 2 h	8 - 10 h	24 h	30 - 45 min.	3 - 4 h	16 h	15 - 30 min.	2 - 3 h	12 h
Obj. Temp. 60 °C			60 min.	15 - 20 min.	30 min.	45 min.	10 - 15 min.	20 min.	30 - 40 min.

Full cure after 7 - 8 days (20 °C).

Pot Life : 1.5 - 8 hours
Application Proposal : **1 - coat application (for light corrosive environment):**
ferrous metal, steel, aluminium and zinc:
Base coat and top coat: PU 250 - 30 (total coat thickness: 60 - 70 µm)

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2 - coat application (for corrosive environment):

Ferrous metal, steel:

Base coat: EP 100-20 (coat thickness: 50 - 70 µm)

Top coat: PU 250-30 (coat thickness: 50 - 60 µm)

Zinc:

Base coat: EP 100-20 (coat thickness: 50 - 70 µm)

Top coat: PU 250-30 (coat thickness: 50 - 60 µm)

Aluminium:

Base coat: EP 100-20 (coat thickness: 50 - 70 µm)

Top coat: PU 250-30 (coat thickness: 50 - 60 µm)

Powder coated old facades, coil coated old facades:

Prime the damaged areas with Mipa EP 100-20 (coat: 50 - 70 µm)

Top coat: PU 250-30 (coat thickness: 60 - 80 µm)

Theoret. Consumption : 5.2 - 5.8 m² / kg (by 50 µm dry coat thickness)

Special Recommendations

To be used only by professionals. Some colours may contain lead therefore do not use for children's toys or for objects which may be chewed or sucked. Unique UV-resistant pigmentations (for example pastel shades for facade coating) are available on request.

In case of Airmix / Airless application, always test for proper type of equipment before use!

Mipa PU 250-30 may be also applied to mineral substrates. Please see the Product Information Mipa PU 250-50 Fußbodenfarbe for the characteristics and the application method.

Besides there is the possibility to mix fluorescent paints Mipa Neon-Farbtöne which are designated for one coat application. In this case please see the Product Information "Mipa Neon-Farbtöne PMI-Einschichtlacke".

Cleaning of Tools

Tools should be cleaned immediately after use with cellulose diluents Mipa Nitroverdünnung.

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