

### Product description

<b>Operational Sector :</b>	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.		
<b>Specification :</b>	<b>Binder base:</b>	Polyurethan-acryl-system	
	<b>Solid content:</b>	75 - 80 %	
	<b>Delivery viscosity (DIN 53 211):</b>	thixotrope	
	<b>Spec. weight (DIN 51 757):</b>	1.4 - 1.5 kg / l	
	<b>Gloss (DIN 67 530):</b>	20 - 30 % / 60° (satin mat)	
<b>Features :</b>	<ul style="list-style-type: none"><li>- slow dust-free drying, for high thickness coatings</li><li>- electrostatically applicable</li><li>- high UV- and weathering resistance</li><li>- excellent water resistance</li><li>- resistance to solvents</li><li>- heat stability: permanent exposure: 150 °C; short time exposure: 1 80 °C</li><li>- adhesion test (<b>DIN 53 151</b>): steel: Gt 0 (very good); zinc: Gt 0 (very good); aluminium: Gt 1 (good)</li></ul>		
<b>Storage :</b>	In tightly closed original containers at least 3 years shelf life		
<b>VOC legislation:</b>	EU limiting value for the product (cat. A/j): 500 g/l [4.17 lbs/gal]  This product contains the following max. VOC values: <ul style="list-style-type: none"><li>- with <b>Härter A60</b> (application by brush or roller): &lt; 400 g/l [3.33 lbs/gal]</li><li>- with <b>Härter PU 900-25, H 5, H 10, H 25, MS 40</b>: &lt; 500 g/l [4.17 lbs/gal]</li><li>- <b>Härter HS 10, HS 25, HS 35, VHS 10, VHS 25</b>: &lt; 420 g/l [3.50 lbs/gal]</li></ul>		

### Application

<b>Processing Conditions:</b>	From + 10 °C and up to 80 % relative air humidity.
<b>Substrate Preparation :</b>	<p><b>Ferrous metal, steel:</b> clean, eventually sand (remove rust, cinder, oxides) and degrease with Mipa Silikonentferner (antisilicone).</p> <p><b>Zinc:</b> clean with ammonia alkaline wetting agent (Mipa Zinkreiniger)</p> <p><b>Aluminium:</b> clean, sand and degrease with Mipa Silikonentferner (anti-silicone).</p> <p><b>Powder coated old facades, coil coated old facades:</b> pre-clean with Mipa WBS Reiniger, wash with water, degrease with Mipa Silikonentferner.</p> <p>When the existing coating is not in good condition and firmly adhering, apply a ground coat with Mipa Tiefgrund LH.</p>

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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 %				
* <b>suitable:</b> mohair, fluff, suede, glattpilt, rolloplan; <b>not suitable:</b> foam roller									
<b>Dilution :</b> Mipa 2K-Verdünnung <b>Hardener :</b> 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									
<b>Mixing Ratio :</b>	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	<b>5 : 1</b>	<b>8 : 1</b>	<b>10 : 1</b>	<b>10 : 1</b>					
by volume Paint : Hardener	<b>4 : 1</b>	<b>6 : 1</b>	<b>8 : 1</b>	<b>8 : 1</b>					
<b>Hardener</b>	<b>A 60</b>			<b>PU 900-25, H 25, HS 25, VHS 25</b>		<b>H 10, HS 10, VHS 10</b>			
<b>Drying</b>	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).									
<b>Pot Life :</b>	1.5 - 8 hours								
<b>Application Proposal :</b>	<b>1 - coat application (for light corrosive environment):</b> 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 m<sup>2</sup> / 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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