

**Product Information**

**Product Description**

**Operational Sector :** 2K-epoxid resin coating suitable for steel, zinc plated parts, aluminium, glas fibre reinforced materials and mineral substrates. Recommended also for use as protection coat on flooring in workshops and warehousing. Product Information Mipa EP 200-50 Fußbodenbeschichtung gives the method of application and features for this special use.

**Specification :**

<b>Binder base:</b>	epoxid resin
<b>Solid content:</b>	64 - 69 weight-% 43 - 45 volume-%
<b>Delivery viscosity (DIN 53 211):</b>	120 - 140 s 4 mm
<b>Density (DIN EN ISO 2811):</b>	1.3 - 1.5 kg/l
<b>Gloss (DIN EN ISO 2813):</b>	50 - 60 units/60° (semi gloss)

**Features :**

- electrostatically applicable
- very high chemical and mechanical resistance (protection coat against chemicals)
- high abrasion resistance, can be driven on by fork lifts
- short-term temperature exposure: 180°C
- permanent temperature exposure: 150°C
- adhesion test (DIN EN ISO 2409):  
Steel, galvanized steel, aluminium, glass fibre reinforced materials and concrete: Gt 0 (very good)

**Theoret. Consumption :** 22.0 - 24.5 m<sup>2</sup>/kg (by 10 µm dry coat thickness)  
26.3 - 27.7 m<sup>2</sup>/l (by 10 µm dry coat thickness)

**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  
This product contains max. 500 g/l VOC [ 4.17 lbs/gal ]

**Application**

**Processing Conditions:** From + 10 °C (object temperature) and up to 80 % relative air humidity.

**Substrate Preparation :**

**Steel:** clean, eventually sand (remove rust, cinder, oxides) and degrease with Mipa Silikonentferner (anti-silicone)

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

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

<b>Application Process :</b>	<b>Pressure [bar]</b>	<b>Nozzle [mm]</b>	<b>Spraying Operations</b>	<b>Thinner</b>
<b>Brushing, rolling</b>	-	-	-	5 - 10 %
For rolling, make sure to use a paint roller and not a lambskin roller.				
<b>Air / Flow jar</b>	3 - 5	1.3 - 1.5	2 - 4	40 - 45 %
<b>HVLP</b>	2.5 - 3	1.3 - 1.4	2 - 4	40 - 45 %
<b>Airless</b>	120 - 150	0.28 - 0.33 (65 - 95 °)	1	20 - 25 %

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**Hardener :** Mipa 2K-EP-Härter EP 950-10, EP 950-25

**Recommendation:**

by temperatures higher than + 10 - 15 °C use EP 950-10; by even higher temperatures (more than + 15 °C), use EP 950-25.

**Mixing Ratio :** By weight: 3 : 1 (EP 200-50 : Hardener)  
By volume: 2 : 1 (EP 200-50 : Hardener)

**Dilution :** Mipa EP-Verdünnung

<b>Dry</b>	<b>dust dry</b>	<b>set to touch</b>	<b>handle</b>	<b>recoatable</b>
Object temp. 20 °C	50 - 60 min.	8 - 10 h	48 h	1 h
Object temp. 60 °C			60 min.	-

By drying times longer than 24 hours, an intermediate sanding is required.

**Pot Life :** 6 - 8 hours

**Application Proposal :** **1 - coat application (where corrosive conditions do not prevail):**  
steel, aluminium, zinc: Base coat and top coat:  
EP 200 - 50 (total coat thickness: 80 - 100 µm)

**2 - coat application (for corrosive environment):**

**Steel:**

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

Top coat: EP 200-50 (coat thickness: 50 - 60 µm)

**Zinc:**

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

Top coat: EP 200-50 (coat thickness: 50 - 60 µm)

**Aluminium:**

Base coat: EP 100-20 (coat thickness: 25 - 30 µm)

Top coat: EP 200-50 (coat thickness: 50 - 60 µm)

**Special remarks**

To be used only by professionals. Please check for colour accuracy prior to use.

**Safety Instructions**

Do not smoke, eat or drink during application. Keep away from children.

**Cleaning of Tools**

Tools should be cleaned immediately after use with thinner Mipa EP-Verdünnung.

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