# EP 140-30

## 2K EP Primer Filler

## Product information

## Description

**Purpose:**

Chromate-free 2K epoxide resin primer surfacer for steel, zinc, aluminium and GRP. Very good overspray absorption, fast drying and very good levelling properties guarantee a fast overcoatability with perfect gloss retention. Also applicable as first coat to putty and as wet-in-wet filler. The product is therefore perfectly suitable for high-quality industry and commercial vehicle construction.

**Specifications:**

| | |
|---|---|
| **Binder base:** | resin combination of epoxide and polyamide |
| **Solid content:** | 69 - 74 weight-%<br>52 - 55 volume-% |
| **Delivery viscosity (DIN 53 211)**: | thixotropic |
| **Density (DIN EN ISO 2811)**: | 1.3 - 1.4 kg/l |
| **Gloss level (DIN EN ISO 2813):** | 20 - 30 units/60° (matt) |

**Properties :**

- very good flow
- very good overspray absorption
- high protection against corrosion
- electrostatically applicable
- very good chemical and mechanical resistance
- perfect for isolation of thermoplastic substrates
- short-term temperature exposure: 180°C
- permanent temperature exposure: 150°C
- adhesion test (DIN EN ISO 2409):
  Steel, galvanized steel, aluminium and GRP: Gt 0 (very good)

**Theoret. Consumption :**

22.1 - 24.8 m²/kg (by 10 µm dry coat thickness)
26.9 - 28.3 m²/l (by 10 µm dry coat thickness)

**Storage:**

At least 3 years, if stored in tightly closed original containers.

**VOC-regulation:**

EU limiting value for the product (cat. B/c): 540 g/l
This product contains max. 540 g/l VOC.

## Application

**Processing conditions:**

from + 10 °C and up to 80 % relative air humidity

**Substrate pre-treatment:**

**steel:** clean, eventually sand slightly (remove rust, oxides, etc.) and degrease with Mipa Silikonentferner
**zinc:** clean with ammoniac wetting agent (Mipa Zinkreiniger)
**aluminium:** clean, sand slightly and degrease with Mipa Silikonentferner

| **Application method :** | **pressure [bar]** | **nozzle [mm]** | **spray passes** | **thinner** |
|---|---|---|---|---|
| **brushing / rolling** | - | - | - | 5 - 10 % |
| **air / flow jar spray gun** | 4 | 1.2 - 1.6 | 1 - 3 | 10 - 25 % |
| **HVLP** | 2.5 - 3 | 1.2 - 1.6 | 1 - 3 | 10 - 25 % |
| **Airless** | 120 - 150 | 0.28 - 0.33 (65-95°) | 1 - 2 | 5 - 10 % |

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**Thinner:** Mipa 2K-Verdünnung

**Hardener:** Mipa 2K-EP-Härter extra kurz EP 905-05

**Mixing ratio:**
by weight: 3 : 1 (EP140-30 : hardener)
by volume: 2 : 1 (EP140-30 : hardener)

| **Drying** | **dust dry** | **set to touch** | **ready for assembly** | **recoatable** |
|---|---|---|---|---|
| **Object temperature 20 °C** | 10 -15 Min. | 3 - 4 h | 10 - 12 h | 30 - 45 Min. |
| **Object temperature 60 °C** | | | 30 Min. | - |

Recoatable at the earliest after 30 minutes and at the latest after 24 hours. If the filler remains uncoated for more than 24 hours, it is necessary to sand before continuing the coating process. Ready to be recoated with putty after 30 minutes at 60°C or 12 hours at room temperature. Do not exceed the coat thickness of max. 25 µm (1 thin spray application) when overcoating with putty.

**Pot life:** 5 h

**Application proposal:**

**steel:**
Prime coat: EP 140-30 (coat thickness: 50 - 70 µm)
Topcoat: with Mipa 1K or 2K topcoats, e.g. PU 262-90 (coat thickness: 50 - 60 µm)

**zinc:**
Prime coat: EP 140-30 (coat thickness: 50 - 70 µm)
Topcoat: with Mipa 1K or 2K topcoats , e.g. PU 262-90 (coat thickness: 50 - 60 µm)

**aluminium:**
Prime coat: EP 140-30 (coat thickness: 25 - 30 µm)
Topcoat: with Mipa 1K or 2K topcoats , e.g. PU 262-90 (coat thickness: 50 - 60 µm)

## Special notes

To be used only by professionals. Some colours may contain lead.

## Cleaning of tools

Clean the tools immediately after use with cellulosic diluent (Nitroverdünnung).