CHING-EP-MIOX-Intermediate coating
EMD 30

Intended use

Fast-drying 2C-micaceous iron-intermediate coating based on epoxy resin for heavy corrosion protection.

Application

Industrial goods, machine and plant construction, industrial halls, off-shore areas, airport buildings, warehouses, multi-storey car parks, chemical plants, pipe bridges, tank facilities, power stations, etc.

General information

Color shades	Grey, red brown, black, sand yellow and other colors on request				
Gloss	mat				
Mixing ratio	**Hardener**		**per weigth** [Paint : Hardener]	**per volume** [Paint : Hardener]	
	Hardener M 037		100 : 11	100 : 20	
Pot life	approx. 6 - 8 h	NC 23°C/50%			
Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-Thinner EM 01 if necessary.				
Spraying	**Viscosity** [DIN 4]	**Thinner** [%]	**Nozzle** [mm]	**Pressure** [bar]	
Cup gun	30 - 60 s	10 - 15	1,5 - 2,5	3 - 5	
Airless (Airmix)	Delivery form	≤ 5	0,31 - 0,45	120 - 200	
Brush application	Delivery form				
Roller application	Delivery form (multiple application is recommended due to structure formation and minimum layer thicknesses)				
Flow application	n.a.				
Substrate preparation	according to DIN EN ISO 12944; qualified primer and/or intermediate coating. Surface clean, dry and free of dust, salt, oil and grease				

Chemische Industrie Erlangen GmbH * Rathenaustr. 18 * 91052 Erlangen * www.ching-coatings.com * info@ching-coatings.com * ☎ +49 9131 3006-0

Viscosity delivery form	30 - 70 DIN-6-seconds

Drying time[1]	**Temperature**	**Dust-dry**	**Grip resistant**	**Mech. resilient**	**Recoatable**[2]
at 80 µm	NC 23/50	1 h	5 h	10 h	5 - 6 h[3] 10 - 12 h[4]

1 Based on delivery viscosity! Humidity has a decisive influence on drying!
2 with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses)
3 with suitable 2C-EP-subsequent coatings
4 with suitable 2C-PUR- e.g. ADD 43/47, ASD 43/47, ADR 47, PAS 47 or water-based corrosion protection systems e.g. HV 43/47

Other values

Density [g/cm³]	**Solids** [Weight. %]	**Solid volume** [%]	[cm³/kg]	**Effiency**[1] [m²/kg]
1,5 ± 0,1	76 ± 3	61 ± 3	400 ± 20	5,1

WFF	**DFT**[2] [µm]	**Consume** [g/m²]	**VOC-content** [g/l] (± 20)	**Temperature resistance**[3]
1,6	80 - 120	200 ± 20	360	130°C

These values are imputed values that may vary depending on the color shade and application.
Drying times are correspondingly longer for thicker layers.
The drying times are shortened by forced drying.

1 ± 0,5 for 80 µm dry layer thickness (depending on shade)
2 With layer thicknesses > - µm bubbles may form!
3 Dry heat

Notes

- **Storage**
  24 months (in unopened original container. Store cool but frost protected!)
- **Processing conditions**
  - The air and object temperature should be at +10°C to +40°C (optimally at 15-35 °C) and the relative humidity at max. 80 %. The surface temperature of the parts to be coated must be at least 3 °C above the dew point of the surrounding air during application.
  - Sufficient supply and exhaust air must be provided.
  - Experience has shown that the coating system is suitable for vapur phase drying and for operating temperatures of transformers, whereby the specified layer thickness must not exceed by more than double!
  -

Chemische Industrie Erlangen GmbH * Rathenaustr. 18 * 91052 Erlangen * www.ching-coatings.com * info@ching-coatings.com * ☎ +49 9131 3006-0