CHING-PUR-MIOX-Top coating 687.30-74

Intended use

2C-PUR-micaceous iron-top coat with high resistance for steel structures in heavy corrosion protection according to TL/TP-KOR-steel structures, Appendix E - Sheet 87.

Application

Bridge construction, airport buildings, warehouses, parking garages, chemical plants, sign gantries, engineering structures, industrial and hall construction, tank facilities, waste incineration plants, power plants, etc

General information

	Color shades	DB- and micaceous iron colors			
	Gloss	semi-mat			
	Mixing ratio	**Hardener**	**per weigth** [Paint : Hardener]	**per volume** [Paint : Hardener]	
		Hardener D 103	100 : 11	100 : 17	
	Pot life	approx. ≥ 6 h	NC 23°C/50% | Can be re-diluted within this period if necessary.		
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with Thinner 687.151 if necessary.			
	Spraying	**Viscosity** [DIN 4]	**Thinner** [%]	**Nozzle** [mm]	**Pressure** [bar]
	Cup gun	40 - 70 s	5 - 10	1,5 - 2,5	3 - 5
	Airless (Airmix)	Delivery form	≤ 5	0,31 - 0,51	140 - 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 12944-4; qualified primer and/or intermediate coating. Surface clean, dry and free of dust, salt, oil and grease			

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Viscosity delivery form	800 - 1400 mPas

Drying time[1]	**Temperature**	**Dust-dry**	**Grip resistant**	**Mech. resilient**	**Recoatable**[2]
at 80 µm	NC 23/50	≤ 2 h	≤ 16 h	-	≥ 16 h

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)

Other values

Density [g/cm³]	**Solids** [Weight. %]	**Solid volume** [%]	[cm³/kg]	**Effiency**[1] [m²/kg]
1,5 ± 0,1	72 ± 3	52 ± 3	360 ± 20	4,5

WFF	**DFT**[2] [µm]	**Consume** [g/m²]	**VOC-content** [g/l] (± 20)	**Temperature resistance**[3]
1,9	80	210 ± 20	390	120°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 +7°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.

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