CHING-PUR-Mica-Top coat
ADD 43

Intended use

Light- and weather resistant 2C-polyurethane-micaceous iron-top coat for two-component system structures on qualified primer or intermediate coating.

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	DB-, RAL-, NCS-. British Standard -, Munsell-, AS-, Federal Standard- and special colors			
	Gloss	mat to semi-mat			
	Mixing ratio	**Hardener**	**per weigth** [Paint : Hardener]	**per volume** [Paint : Hardener]	
		Hardener D 103	100 : 11	100 : 17	
	Pot life	approx. 4 - 6 h	NC 23°C/50%		
	Stirring / Dilution	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-PUR-Thinner DD 01 FL if necessary.			
	Spraying	**Viscosity** [DIN 4]	**Thinner** [%]	**Nozzle** [mm]	**Pressure** [bar]
	Cup gun	60 - 100 s	5 - 15	1,5 - 2,5	4 - 5
	Airless (Airmix)	Delivery form	≤ 5	0,23 - 0,38	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	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	7 - 8 h	20 h	7 - 8 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	76 ± 5	59 ± 5	400 ± 20	5,0

WFF	**DFT**[2] [µm]	**Consume** [g/m²]	**VOC-content** [g/l] (± 20)	**Temperature resistance**[3]
1,7	80	200 ± 20	370	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 +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!
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