CHING-PUR-High-Solid-Single coat
ASD 08

Intended use

Low-solvent, fast-drying, 2C-high-solids-PUR-single/top coat with high light and weather resistance for steel structures requiring heavy-duty corrosion protection on steel and galvanized steel, as well as on suitable primers. Easy to apply and dry even at low temperatures down to +3°C.

Application

Industrial goods, mechanical and plant engineering, bridge construction, airport buildings, warehouses, parking garages, chemical plants, sign gantries, civil engineering structures, industrial and hall construction, tank systems, waste incineration plants, power plants, etc.

General information

	Color shades	RAL-, NCS-. British Standard -, Munsell-, AS-, Federal Standard- and special colors			
	Gloss	semi-glossy to glossy			
	Mixing ratio	**Hardener**	**per weigth** [Paint : Hardener]	**per volume** [Paint : Hardener]	
		Hardener D 104 A	100 : 8	100 : 12	
	Pot life	approx. 2 - 3 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 CHING-PUR-Thinner DD 01 if necessary.			
	Spraying	**Viscosity** [DIN 4]	**Thinner** [%]	**Nozzle** [mm]	**Pressure** [bar]
	Cup gun	30 - 50 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.			

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Substrate preparation	according to DIN EN ISO 12944-4; Steel, blasted: Surface preparation Sa 2½ to Sa 3, the surface roughness should be „medium (G)“ according to ISO 8503-1 and -2 or qualified primer and/or intermediate coating. Galvanized steel: Sweep blasting according to DIN EN ISO 12944-4. Surface clean, dry and free of dust, salt, oil and grease
Viscosity delivery form	35 - 60 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	12 - 14 h	5 - 6 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]
1,6 ± 0,1	82 ± 5	71 ± 5	430 ± 20	5,3

WFF	**DFT**[2] [µm]	**Consume** [g/m²]	**VOC-content** [g/l] (± 20)	**Temperature resistance**[3]
1,4	80 - 100	190 ± 20	310	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 +3°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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