

CHING-2K-PUR-Top coat SERIE PUR 47

Intended use

High-quality, visually appealing 2C-PUR-top coat with outstanding chemical resistance, high color stability, and gloss retention. Direct adhesion to steel and various plastics (ABS, PUR, PA, UP, GRP). In combination with 2C-EP-Primer SERIES EP 18, it can also be used on galvanized steel, stainless steel, aluminum, and other non-ferrous metals.

Application

Use on industrial and agricultural machinery and equipment.

General information

	Color shades	RAL-, NCS-, British Standard -, Munsell-, AS-, Federal Standard- and special colors			
	Gloss	mat to glossy			
	Mixing ratio	Hardener	per weighth [Paint : Hardener]	per volume [Paint : Hardener]	
		Hardener D 103	4 : 1	3 : 1	
	Pot life	approx. 4 - 5 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	25 - 35 s	5 - 10	1,2 - 1,5	2 - 4
	Airless (Airmix)	30 - 35 DIN-4-seconds	5 - 10	0,23	60 - 80
	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. Surface clean, dry and free from salt, dust, rust, oil, grease and corrosion products			



Viscosity delivery form

50 - 60 DIN-4-seconds



Drying time¹

Temperature

Dust-dry

Grip resistant

Mech. resilient

Recoatable²

at 40 µm

NC 23/50

15 min

8 h

22 h

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]

Efficiency¹
[m²/kg]

1,3 ± 0,1

73 ± 5

58 ± 5

430 ± 20

11

WFF

DFT²
[µm]

Consume
[g/m²]

VOC-content
[g/l] (± 20)

Temperature resistance³

1,7

40 - 60

95 ± 20

380

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 40 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.