

CHING-2C-PUR-Primer SERIE PUR 18










Intended use






Fast-drying 2C-PUR-primer with excellent corrosion protection in a system configuration with a 2-component PUR topcoat (SERIE PUR 47) or CHING-PUR textured paint (ADR 47) up to corrosion protection category C3, with a long service life in accordance with DIN EN ISO 12944. Direct adhesion to a wide variety of metallic substrates, such as steel, aluminum, and swept, galvanized steel.

Application

Industrial and agricultural machinery and equipment

General information

	Color shades	RAL-, NCS-, British Standard -, Munsell-, AS-, Federal Standard- und special colors			
	Gloss	mat			
	Mixing ratio	Hardener	per weighth [Paint : Hardener]	per volume [Paint : Hardener]	
		Hardener D 113	100 : 11 9 : 1	6 : 1	
	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	15 - 20	1,5 - 2,5
	Airless (Airmix)	Delivery form	≤ 5	0,31 - 0,51	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 12944-4; qualified primer and/or intermediate coating. Surface clean, dry and free of dust, salt, oil and grease					
	Viscosity delivery form	40 - 50 DIN-6-seconds					
	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²	
	at 40 µm	NC 23/50	30 min.	3 h	6 h	2 h ³	
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 subsequent coating, e.g. CHING-2C-PUR-top coat SERIE PUR 47 or CHING-PUR-textured coat ADR 47							
	Other values	Density [g/cm ³]	Solids [Weight. %]	Solid volume [%] [cm ³ /kg]		Efficiency¹ [m ² /kg]	
		1,5 ± 0,1	72 ± 5	60 ± 5	390 ± 20	9,5	
		WFF	DFT² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance³	
		1,7	40 - 60	100 ± 20	410	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	<ul style="list-style-type: none"> • Storage 24 months (in unopened original container. Store cool but frost protected!) • Processing conditions <ul style="list-style-type: none"> ❖ The air and object temperature should be at +10°C bis +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. 					