

CHING-EP-MIOX-Intermediate-/Top coat, fast-curing 697.12-14

Intended use

Fast-curing, 2C-EP-micaceous iron-intermediate or top coat with high resistance for steel structures requiring heavy-duty corrosion protection according to TL/TP-KOR-Stahlbauten, Appendix E - Sheet 97; Also suitable for use in low-temperature ranges down to +3°C

Application

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

General information

	Color shades	Grey DB 702, grey DB 703, green DB 601			
	Gloss	mat			
	Mixing ratio	Hardener	per weight [Paint : Hardener]	per volume [Paint : Hardener]	
		Hardener M 055	100 : 8,5	100 : 18	
	Pot life	approx. ≥ 2 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 697.150 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	≤ 3	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; Steel: qualified primer and/or intermediate coating. Surface clean, dry and free of dust, salt, oil and grease. Galvanized steel: swept				
	Viscosity delivery form	700 - 1300 mPas				
	Drying time¹	Temperature	Dust-dry	Grip resistant	Mech. resilient	Recoatable²
	at 80 µm	NC 23/50	≤ 2 h	≤ 8 h	-	≥ 5 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. 2C-EP-Intermediate and 2C-PUR-Top coat according to sheet 87 or sheet 97						
	Other values	Density [g/cm ³]	Solids [Weight. %]	Solid volume		Efficiency¹ [m ² /kg]
		1,8 ± 0,1	81 ± 3	[%]	[cm ³ /kg]	4,1
		WFF	DFT² [µm]	Consume [g/m ²]	VOC-content [g/l] (± 20)	Temperature resistance³
		1,7	80	260 ± 20	340	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	<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 +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. 				