

## CHING-PUR-Primer AD 182 K

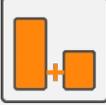
### Intended use

Quick-drying, active pigmented primer based on polyurethane resin for steel substrates with excellent anti-corrosion properties.

### Application

General metal- and mechanical engineering

### General information

	<b>Color shades</b>	RAL-, NCS-, British-Standard-, Munsell-, AS-, Federal Standard- and special colors			
	<b>Gloss</b>	mat			
	<b>Mixing ratio</b>	<b>Hardener</b>	<b>per weight</b> [Paint : Hardener]	<b>per volume</b> [Paint : Hardener]	
		Hardener D 101	100 : 8	100 : 11	
	<b>Pot life</b>	approx. 2 - 3 h	NC 23°C/50%   Can be re-diluted within this period if necessary.		
	<b>Stirring / Dilution</b>	Stir the product mechanically before each use. Ready to use after adding hardener. Dilute with CHING-PUR-Thinner DD 01 if necessary.			
	<b>Spraying</b>	<b>Viscosity</b> [DIN 4]	<b>Thinner</b> [%]	<b>Nozzle</b> [mm]	<b>Pressure</b> [bar]
	Cup gun	30 - 50 s	15 - 25	1,5 - 2,5	4 - 5
	Airless (Airmix)	Delivery form	≤ 15	0,31 - 0,51	140 - 200
	<b>Brush application</b>	Delivery form			
	<b>Roller application</b>	Delivery form (multiple application is recommended due to structure formation and minimum layer thicknesses)			
	<b>Flow application</b>	n.a.			
	<b>Substrate preparation</b>	according to DIN EN ISO 12944-4; Surface clean, dry, free of dust, rust oil and grease as well as free of adhesion-reducing substances (e.g. corrosion products)			



**Viscosity  
delivery form**

50 - 90 DIN-6-seconds



**Drying time<sup>1</sup>**

at 40 µm

**Temperature**

NC 23/50

**Dust-dry**

30 min

**Grip  
resistant**

3 - 4 h

**Mech.  
resilient**

6 - 8 h

**Recoatable<sup>2</sup>**

6 - 8 h<sup>3</sup>

<sup>1</sup> Based on delivery viscosity! Humidity has a decisive influence on drying!

<sup>2</sup> with itself (not normally required for top and final coats, except possibly for minimum coat thicknesses) If stored in a weather-free environment, the base coat can be recoated with the above-mentioned topcoats for up to three months without sanding. The surface must be free of dust, dirt, oil, salt, grease, or other contaminants.

<sup>3</sup> with suitable subsequent coating e.g. CHING-2C-PUR-top coating, CHING-2C-HYDRO-PUR-top coatings or CHING-1C-HYDROVERSAL-primer, intermediate- or top coatings



**Other  
values**

**Density**  
[g/cm<sup>3</sup>]

1,5 ± 0,1

**Solids**  
[Weight. %]

71 ± 5

**Solid volume**

[%]

59 ± 5

[cm<sup>3</sup>/kg]

390 ± 20

**Efficiency<sup>1</sup>**

[m<sup>2</sup>/kg]

9,8

**WFF**

1,7

**DFT<sup>2</sup>**

[µm]

40 - 60

**Consume**

[g/m<sup>2</sup>]

100 ± 20

**VOC-content**

[g/l] (± 20)

410

**Temperature  
resistance<sup>3</sup>**

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.

<sup>1</sup> ± 0,5 for 40 µm dry layer thickness (depending on shade)

<sup>2</sup> With layer thicknesses > µm bubbles may form!

<sup>3</sup> 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.