

## CHING-EP-High-Solid-MIOX-Primer RWE-GB-21-S

### Intended use

Thick-layer, micaceous iron 2-component epoxy resin based primer for galvanized steel.

### Application

High-voltage equipment, transformer housings, industrial halls, 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

	<b>Color shades</b>	RAL-colors and other colors on request			
	<b>Gloss</b>	mat			
	<b>Mixing ratio</b>	<b>Hardener</b>	<b>per weight</b> [Paint : Hardener]	<b>per volume</b> [Paint : Hardener]	
		Hardener M 052R	100 : 7,5	100 : 14	
	<b>Pot life</b>	approx. 6 - 8 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-EP-Thinner EM 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	5 - 10	1,5 - 2,5	3 - 5
	Airless (Airmix)	Delivery form	≤ 5	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 or RWE regulation			



**Viscosity  
delivery form**

20 - 40 DIN-8-seconds



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

at 80 µm

**Temperature**

NC 23/50

**Dust-dry**

1 h

**Grip  
resistant**

16 h

**Mech.  
resilient**

24 h

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

24 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)

<sup>3</sup> with suitable subsequent coating, e.g. RWE-DB-23-S-xxx, RWE-24-S-xxx



**Other  
values**

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

1,7 ± 0,1

**Solids**  
[Weight. %]

82 ± 3

**Solid volume**  
[%]

68 ± 3

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

410 ± 20

**Efficiency<sup>1</sup>**  
[m<sup>2</sup>/kg]

5,1

**WFF**

1,5

**DFT<sup>2</sup>**  
[µm]

80

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

200 ± 20

**VOC-content**  
[g/l] (± 20)

160

**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 80 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 +45°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.