

## REMOSIL TITANIUM CUI

### Technical Data Sheet

- ✓ high temperature resistant two-component varnish
- ✓ very good heat resistance up to 600°C
- ✓ peak load up 650°C
- ✓ can be applied on hot substrates up to 100°C
- ✓ very good anti corrosion properties at single layer coating
- ✓ no fumes at temperature stress, no contamination of the insulation by separation products
- ✓ recommended film thickness 90-140µm DFT
- ✓ min. 90µm; max. 160µm DFT

**Colour-shade** silvergrey / black

**Gloss degree** mat

### Range of application

High temperature resistant two-component lacquer based on a special silicone resin with very good anti corrosion properties.

### Processing

Good stirring. It is recommended to use an compressed air operated stirrer. Observe Ex protection. Also during the processing should be stirred up before removal from the container.

After removal of material, the container must be sealed airtight.

Stir well and add the hardener dilution CUI in a mixing ratio of 10:1.

Even during processing, continuous stirring in a closed circuit is desirable.

Remosil Titanium CUI reacts after mixing with the hardener dilution CUI, with water or humidity.

Therefore, always pay attention to closed containers or systems.

air syringe: processing in mixing viscosity  
nozzles 1,5 – 1,8 mm  
atomizer pressure: 2,5 – 3,5 bar

airless: processing in mixing viscosity  
nozzles: 0,28 – 0,33 mm(309-313)  
material pressure: 70 – 100 bar

**Substrate**     steel  
 stainless steel 1.4301

**Surface preparation**

blast cleaning: according EN ISO 12944/4, grade Sa 2,5

roughness profile:

Ra = min. 6µm DIN EN ISO 4287  
 Rz = min. 40µm DIN EN ISO 4287

**Do not use chemically treated sheets.**

**General application advices**

No processing below 10°C!

**Thinner:**        87052 or 200

Use thinner 87052 for dilution and for cleaning the tools.

**Properties**

Remosil Titanium CUI has a shelf-life of at least 12 months at appropriate storage conditions and in the original packing.

**VOC**

(calculated) 451 g/l

**Packing**

25 kg hobbocks  
 2,5 kg plastics canisters

<b>Produktparameter</b> <b>Product-parameters</b>	
Temperaturbeständigkeit/ Heat resistant	650°C
Abwechselnde Einwirkung von Feuchte und Trockenheit unter der Wärmeisolierung/  Alternating action of moisture and dryness under the insulation 100°C to 400°C	50 Zyklen mit Deionat 50 cycles with distilled water  rustgrade 0  50 Zyklen mit 1% NaCl Lösung 50 cycles with 1% NaCl solution  Rostgrad / rustgrade 1
Salzsprühttest/ Saltspraytest EN-ISO 9227	1440 Stunden / hours  Lufttrocknung / Airdrying  Heat exposure 150°C rustgrade 1 Heat exposure 600°C rustgrade 0 Heat exposure 650°C rustgrade 0
	rustgrade 1

Schwitzwassertest/ Humidity camber test EN-ISO 6270-2	6500 Stunden / hours  Lufttrocknung/ Airdrying  Rostgrad /rustgrade 0  Heat exposure 150°C rustgrade 0 Heat exposure 300°C rustgrade 0 Heat exposure 450°C rustgrade 0 Heat exposure 600°C rustgrade 0 Heat exposure 650°C rustgrade 0
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**Properties as delivered**

<i>properties of the varnish</i>	<i>method</i>	<i>specification</i>
<b>shelf life</b>		Min.12 Mon.
<b>values for color-shade</b>		solid content, volume-solid content, spec. gravity, theoret. spread rate according to the color-shade.
<b>delivered viscosity</b>	DIN 53211	thixotrop
<b>processing viscosity</b>	DIN 53211	16 – 22 s / 4mm in mixture
<b>solid content</b>	EN ISO 3251	66 ± 3 % in mixture e.g. black
<b>volume-solid content</b>	calculated	44 % ± 3 % in mixture e.g. black
<b>spec. gravity</b>	EN ISO 2811-2	1,43 ± 0,05 g/ml/20°C in mixture e.g. black
<b>theor. spread rate</b>	calculated	2,78 m <sup>2</sup> /kg / 110 µm DFT
<b>drying</b>	DIN 53150	dependent on environmental conditions at 20°C and 50 % rel. humidity dry to touch after approx. 40 min.  forced drying possible ! 40°C approx. 20 min 60°C approx. 15 min

**Eigenschaften in Anlieferungszustand**

**Properties as delivered**

<p><b><i>mixing ratio</i></b></p>	<p>10 parts by weight Remosil Titanium CUI                  1 part by weigh hardener thinner CUI</p> <p>potlife 4 month</p>
<p><b><i>layer thickness</i></b></p>	<p>Recommended DFT 90 - 140 µm                  1 layer coat painting                  min. 90 µm DFT                  max. 160 µm DFT</p>

Diese Angaben basieren auf Erfahrungswerten. Da wir auf die Verarbeitung keinen Einfluss haben, können wir nur für die gleichbleibende Qualität unserer Produkte garantieren. Änderungen vorbehalten.

These data are based on experience. As we have no influence on the processing, we are only able to guarantee the constant quality of our products. Subject to alterations.

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