

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

stainless steel 1.4539

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

For small-area repair coatings of approx.. 50 sq. cm, such as screws, nuts, connectors and flanges, the ST 2 degree of purity is permitted.

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

Produktparameter Product-parameters	
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 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	Rostgrad /rustgrade 0

Properties as delivered

<i>properties of the varnish</i>	<i>method</i>	<i>specification</i>
shelf life		Min. 12 Mon.
values for color-shade		solid content, volume-solid content, spec. gravity, theoret. spread rate according to the color-shade.
delivered viscosity	DIN 53211	thixotrop
processing viscosity	DIN 53211	16 – 22 s / 4mm in mixture
solid content	EN ISO 3251	66 ± 3 % in mixture e.g. black
volume-solid content	calculated	44 % ± 3 % in mixture e.g. black
spec. gravity	EN ISO 2811-2	1,43 ± 0,05 g/ml/20°C in mixture e.g. black
theor. spread rate	calculated	2,78 m²/kg / 110 µm DFT

drying	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
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Eigenschaften in Anlieferungszustand**Properties as delivered**

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

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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