

Basecoat U-Sil 100 GL

1-pack Polysiloxane urethane primer coating

Product description:

Basecoat U-Sil 100 GL is a coating material based on sol-gel technology with low dry film thickness. It's resistant against a variety of organic solvents and can be repainted with conventional color systems (e.g. 2K PUR).

Fields of application:

Light metal surfaces (Al, Anodized Al, Mg), stainless steel

Product features:

- Primer
- transparent
- corrosion protect
- no cromating is required
- resistant against humidity and temperature changes
- chromate and lead-free

Product data:

Color: colorless transparent

Delivery form:
0.95kg can
20kg hobbock
180kg steel drum

Shelf life: At least 6 months in closed original can, stored at cool, dry conditions.

Technical data:

Type of binder: Polysiloxane-Urethane-Resin

Solid content: approx. 42 % by weight

Density: 0.952 g/L

Consumption: The needed consumption depends on the roughness of the surface and application method and is about 20 g/m².

Temperature resistance: -20°C to +250 °C

Chemical resistance: resistant against a range of organic solvent and base chemicals

Processing:

Surface treatment: Depends on the coated surface. In any case the surface has to be free of dirt, dust and grease.
We recommend alkaline cleaning for Aluminum, Magnesium and Stainless Steel.

Application: Spraying
Nozzle size: 0.8 – 1.5 mm
Spray pressure: 2.0 – 2.5 bar

Dipping or flooding

Drying: **120°C / 40 min**
140°C / 20 min
160°C / 15 min
180°C / 10 min
250°C / 2 min

Coating thickness: 3 – 10 µm dry

Cleaning of tools: thinner for 2 component paints

The given data is for guidance only and is not a legally binding guarantee. The product has the properties described above. The product information can and is only intended to provide non-binding advice.

Stand: October 2018

NTC Nano Tech Coatings GmbH, Marpinger Weg 2, 66636 Tholey, Germany, Tel.: +49 6853 96111-00, info@ntcgmbh.com