

Clearcoat U-Sil 120 GL

1-pack polysiloxane urethane coating material

Product description:

Clearcoat U-Sil 120 GL is a coating material based on sol-gel technology with very good corrosion protection. The stable hydrophobic surface decreases soiling and improves the easy-to-clean features.

Fields of application:

light metal surfaces (Al, Anodized Al, Mg, window and door frames), Stainless Steel, heat-exchangers

Product features:

- one coat paint
- DTM (direct-to-metal) coating
- transparent
- doesn't contain alcohol (Methanol)
- no cromating is required
- resistant against humidity and temperature changes
- chromate and lead-free
- stable under alkaline conditions (pH 12.5)

Product data:

Color:

colorless transparent, glossy

Delivery form:

1kg can
25kg hobbock
200kg 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:

ca. 40 % by weight

Density:

1.015 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 must 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 Dip or flood
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.

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