

# Basecoat U-Sil 100

## 1 pack Polysiloxane Urethane primer coating

### Product description:

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

### Fields of application:

light metal surfaces (aluminium, magnesium, brass), galvanized and stainless steel

### Product features:

- Primer
- transparent
- corrosion protect
- no cromating is required
- resistant against filiform corrosion
- chromate and lead-free

### Product data:

#### Color:

colorless transparent  
(transparent-colored available on demand)

#### Delivery form:

0.9kg-can  
20kg-hobbock  
180kg-steel drum

#### Shelf life:

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

### Technical data:

#### Type of binder:

Polysiloxane-Urethane-Resin

#### Solid content:

approx. 25 % by weight

#### Density:

0.945 g/L

#### Consumption:

The needed consumption depends on the roughness of the surface and application method and is about 45 g/m<sup>2</sup>.

**Chemical resistance:** resistant against a range of organic solvent chemicals

## Processing:

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

**Application:** Spraying  
Nozzle size: 0.5 . 1.0 mm  
Spray pressure: 2.0 bar  
  
Electrostatic Spraying possible.

**Drying:** **160°C / 60 min** or  
**180°C / 30 min**  
(device temperature!)

**Coating thickness:** ca. 5 . 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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