

## Protect Pro 300

### Polysilane coating material



#### Product description:

Protect Pro 300 is a room temperature curing transparent clear coating with hydrophobic and oleophobic properties for smooth, non-absorbent surfaces. This coating establishes an Easy-to-clean surface and reduces the adhesion of dust for indoor and outdoor application.

#### Fields of application:

Car paint, painted plastic surfaces, metals and ceramic surfaces

#### Product features:

- Permanent clear coating
- Excellent protection against graffiti
- Easy-to-Clean
- Excellent adhesion to most substrates
- Outstanding weather resistance
- High UV and chemical resistance
- Economical
- Cures at room temperature
- Fluorine-free
- Thick film

#### Product data:

<b>Color:</b>	Transparent, colorless/ slightly yellow liquid
<b>Delivery form:</b>	1 pack system
<b>Shelf life:</b>	12 months (storage temperature between 10°C and 25°C, protect from direct sunbeams and frost, keep containers tightly closed).

#### Technical data:

<b>Type of binder:</b>	organic polysilazane
<b>Solid content:</b>	Approx. 40 % by weight

<b>Density:</b>	0,91- 0,95 g/cm <sup>3</sup>
<b>Consumption:</b>	10 – 15 ml/m <sup>2</sup>
<b>Temperature resistance:</b>	approx. 8006 °C
<b>Chemical resistance:</b>	Resistant against a variety of solvent

### Processing:

**Surface treatment:** Based on the surface to be coated. In any case the surface has to be free of dirt, dust and grease.

### Application:

#### Cleaning

The substrate has to be dry, dust-free, oil- and grease-free. The target should have to be cleaned thoroughly. We recommend neutral cleaners for example by using high-pressure cleaner.

#### Coating

During work, please wear goggles and gloves for safety. Splashes on skin should be rinsed with water and surfactant thoroughly. Please check the compatibility on sensitive surfaces. Ensure that the workplace is well ventilated.

Underground temperature: at least. +5°, max. 40°C

Ambient conditions: at least. +5°,

Relative humidity: 30% - 80 %

#### Mixing ratio Ready to Use

The treatment of the target surface should be carried out under ambient conditions. Use only on room tempered surfaces (between 5 °C and 40 °C).

SATA minijet = simply spray and let dry (HVLP, 2-3 bar, 0,8 mm nozzle)

Pump sprayer = spray, wipe to spread the product and polish immediately with a microfiber cloth. If you use an application by pump sprayer you have to wipe the coating material immediately with a towel and polish the surface after approx. 2 min application (for example a microfiber cloth)

**Curing/Drying:**

The coating will be dust-free after approx. 60 min. To reach the desired properties you have to wait the following times:

- 8-12 hours @ 25°C,
- 2-3 hours @ 60-80°C
- 1,5 hours @ 120-180°C

Please avoid curing temperatures of more than 200°C over a time period of more than 30 min.

If you dry/cure by 25°C for at least 7 days please do not stress the coated surface mechanically (car wash facility).

If you cure with more than 80°C the final hardness will be established after cooling

**Coating thickness:** approx. 3 µm

**Cleaning of tools:** Cleaners in the pH range > 12

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