

# Coating + powder SILISKIN

## Soft-Touch elastic Silicone coating

The three-component SILISKIN coating drastically reduces the coefficient of friction of silicone surfaces. It is extremely flexible and does not stiffen its support.

It is applied in a thin layer and cures with cooking. Thanks to its surface finish and excellent adhesion to silicones (LSR, RTV and HTV), the formed film improves abrasion resistance of parts subjected to friction and sliding. It reduces "blocking" effect in case of face-to-face display of silicone surfaces and reduces fouling and dusting.

SILISKIN coating provides a soft and slippery feel, not oily nor gummy.

## Use of SILISKIN coating + powder

The three components must be mixed with the following weight ratio: resin / hardener / powder : 1 : 1 : 0.3.

It is also possible to colour the mixture with COP silicone colorants, at 1% of the mixture weight (2% max).

Mixing is carried out for one minute with a high-speed stirrer (e.g. wired drill) and an adapted mixer that does not alter the micro-pearls. The mixture must be homogeneous and the powder completely dispersed. The pot-life of the mixture is 36h at room temperature (20°C).

The surface to be coated must be dry, clean and free of grease. If necessary, clean with compressed air, soapy water (rinse well), or isopropyl alcohol (let dry well). Do not use acetone.

SILISKIN can be applied in different ways such as spraying, soaking and brushing. However, spray application offers optimum performance. We recommend a pneumatic spray gun with standard nozzle (Ø 1.5mm max).



## Characteristics of liquid products

### Aspect :

Very fluid and whitish liquid

### Viscosity (Brookfield) :

- Resin : 1500 mPa.s
- Hardener : 10 mPa.s
- Mix : +/- 200 mPa.s

**Mix ratio :** 1 : 1 : 0.3

**Pot Life :** ~36 hours at 20°C

**Dry extract :** 25%

## Characteristics of the coating

### Aspect :

Matte and translucent finish

**Elongation :** >1000%

**Coefficient of friction** (Thin-film spraying and baking 30 min 100°C): 0,9

**Consumption:** 150 to 200 g of liquid product by m<sup>2</sup>

Application should be carried out in an extraction booth and with the PPE listed in the Safety Data Sheet.

Adjust the air and material flow of your spray gun to apply a thin, shiny, and homogeneous wet coat, without generating drips or runs.

After application, the coating should be cured. We recommend a 30-minute curing cycle at 100°C to achieve an optimal result (1 hour at 100°C is possible depending on the thickness of the film and the volume of the part).

It is possible to carry out a new application cycle + post-curing if necessary (incomplete distribution, repairs etc).

The surface condition of the substrate, the design of the part, and the application method can affect the final result. We recommend a testing phase before production.

Maintenance: The SILISKIN finish varnish film can be cleaned with soapy water. Avoid isopropyl alcohol, acetone, or any other solvent.

The spray gun can be cleaned with an oily solvent (solvent S1) and then rinsed with isopropyl alcohol. The use of acetone is not recommended.

## Packaging

The STARTER KIT includes the SILISKIN coating in a 200 g kit and the powder in a 30 g pot. The SILISKIN coating is available in a 200 g kit (2 bottles of 100 g), 1 kg kit (2 pots of 100 g), and 10 kg kit (2 buckets of 5 kg). The powder is available in 30 g and 150 g pots and 1.5 kg buckets. Level spoons for measuring SILISKIN POWDER are available.

NAMES	REFERENCES	PACKAGING
SILISKIN STARTER KIT (COATING + POWDER)	SKS 001	100 g + 100 g + 30 g
SILISKIN COATING KIT	VSK 200	KIT 200 G (100 g + 100 g)
	VSK 01	KIT 1 KG (500 g + 500 g)
	VSK 10	KIT 10 KG (5 kg + 5 kg)
SILISKIN POWDER	PSK 030	30 g
	PSK 150	150 g
	PSK 015	1,5 kg
LEVEL SPOONS 2 ML	CDO 001	Per unit
	CDO 010	Pack of 10

SILISKIN powder is exclusively reserved for Siliskin customers.

## Storage, handling and hygiene

In its original packaging, SILISKIN coating is guaranteed for 12 months if both components are kept well closed, away from light, moisture and at a temperature below 30°C.

In its original packaging, Siliskin powder is guaranteed for 5 years if stored in a dry place and at a temperature below 30°C.

Preferably use the products as soon as they are opened.

The usual conditions must be applied when handling the SILISKIN coating. Please, see the safety data sheet.

## Custom

SILISKIN coating resin and hardener	39100000
SILISKIN powder	39100000

*The information in this document is provided in good faith and based on our current know-how. It is therefore only indications and not formal constraints, especially if this product is not used in accordance with the applications in this data sheet. A pre-test will therefore always be the basis of relevant conclusions for the user.*

*On the other hand the user of this product agrees to comply with the legislation in force regarding the disposal of waste.*