



Technical data sheet

PROTECTION MADE EASY

Polytop Satin

Description and destination of the product

Polytop Satin is a one-pack, solventfree, aliphatic, light fast polyurethane topcoat. This coating is used as top coat on floors and also on self-levelling applications. **Polytop Satin** has the following properties:

- very abrasion resistant
- good chemical resistance
- satin gloss
- UV-resistant

Polytop Satin can also be applied in antislip version.

Type of binder

Aliphatic polyisocyanate

Colour

From minimum 50 kg, most of the RAL colours are available.

Gloss

Satin gloss.

Technical data

- **Density:** 1.46 kg/L
- **Solids content:** 100 % in weight
100 % in volume
- **Drying times:**
 - dustdry : after 4 hours
 - tackfree : after 8 hours
 - walkable : after 12 hours
 - recoatable : after 16 hours
 - fully cured : 7 days
- **VOC:** 0 g/L
- **Theoretical yield:** $\pm 10 \text{ m}^2/\text{kg}$ (for 1 coat of ± 70 micron)
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

- **Number of layers:** 1 or 2. The number of layers necessary for a good hiding depends on the colour of the surface and the colour itself (less hiding power for deep colours).
If the overcoating time between 2 layers is more than 3 days, sanding between layers is necessary.

Surface preparation

Polytop Satin is used as finishing coat on surfaces painted with a polyurethane or epoxy coating. This as well for the thin layer systems (**Polyfloor**,...) as for the self-levelling systems (**Durotane**). New surfaces must always be treated with a suitable primer (preferably a polyurethane such as **Cryltane AC Primer Dispenser** in the colour of the top coat).

The surface must be clean, dry and free of grease:

- The surface must be smooth!
- Old existing surfaces must first be roughened up. When there is doubt about the adhesion of **Polytop Satin** on an existing substrate, a test surface must be applied and evaluated after curing.
- When **Polytop Satin** is applied on an epoxy surface, it must be fully cured.
- No silicones, amines nor de-aeration agents must be present on the surface. This in order to avoid phenomena such as disbonding, gloss differences, bubbles, etc...

Remark

Don't apply **Polytop Satin** on **Durotane Primer** (interlayer adhesion problems)!

Use

Remark : as Polytop Satin is solventfree, the roller encounters a higher resistance during application, which leads to hair loss of the roller in the applied paint film.

PROCEDURE TO BE FOLLOWED STRICTLY:

- Before use, stir the product mechanically and slowly during 2 minutes.
- The paint must always be poured in a ribbed dye bath. After the roller has been dipped, roll it carefully down on the roller rack. The appropriate roller is a roller with hairs of 14 mm (appropriate width of the roller is 25 cm), which is used for the application of epoxy and polyurethane paints.
- **The paint must be well rolled on the floor. Within 10 minutes it is necessary to roll with a dry roller (for the application of epoxy and polyurethane paints) of at least 50 cm width and with 8 mm hairs. This must be done very slowly and with very little pressure (let the roller glide over the painted surface).**
- **The rolling afterwards cannot be omitted because roller strips and possibly foam formation can occur.**
- Maximum yield: 100 g/m²
- After application of the paint, close the doors because excessive air streams might cause gloss differences after curing.
- **Polytop Satin** antislip version: just before application, add 3 % (in weight) antislip beads by stirring. The application conditions are the same as these of **Polytop Satin**.
- Clean the tools with **Solvatane**.

Application conditions

Temperature of the surface: minimum 3°C above dew point
minimum 5°C and maximum 30°C
Relative humidity: minimum 40 and maximum 85 %
Application temperature: minimum 5°C and maximum 30°C

Storage stability

Minimum 6 months in the original, unopened packing, stored in a dry environment at temperatures between -20°C and +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: www.libertpaints.be

Disclaimer

The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.

We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.

Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.