

POLYURETHANE WATER TOP-COATINGS

SMALTURA® T

Monocomponent polyurethane waterborne transparent

Single-component water-based polyurethane varnish. Transparent finish for resin coatings or concrete surfaces. Glossy appearance.

Description

Easy-to-use one-component product based on polyurethane dispersion in aqueous vehicle. By evaporation of water, a continuous film is formed that presents:

- high anchoring properties on various supports
- excellent mechanical properties
- good abrasion resistance
- good solvent resistance
- excellent resistance to atmospheric agents

Use

Finishing for epoxy-cement thickness coatings.
Finishing of resin coatings and to make surfaces painted with SMALTURA more shiny.
Transparent painting of cement or brick surfaces.

Support

The substrate must have a minimum compressive strength of 25 N/mm² and a tensile strength of 1,5 N/mm².

Preparation of the support

Each support must be cleaned, degreased and free of old enamels during detachment.

Sanding or surface abrasive to promote adhesion.

Spread a shoot of primer FIBROPROTEX PRIMER (0.15–0.20 kg/m²) on absorbent substrates such as bricks or cement surfaces. Sand the surface. Such sanding is not necessary if it is applied SMALTURA T on SMALTURA and if no more than 2 days have passed.

Application

Homogenize the product before use.

Use the product "as is"; It is possible to dilute with water up to a maximum of 5%.

Avoid too thick films: you would delay the development of the final characteristics of the film, in particular deep drying and sensitivity to water.

N.B.: SMALTURA T cannot be applied directly on absorbent substrates because film defects may be found.

Technical specifications

PRODUCT DATA	
Colour	Transparent
Specific gravity (at 25 °C)	1,00 - 1,05 g/ml
Viscosity (at 25°C)	250 +/- 50 mPascal (spindle 1, rpm 20)
Dry residue	38,7% in peso
Flash point	None
Solvent for cleaning tools	Water (before film formation) and Ethyl alcohol (after)

Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.

PRODUCT DATA

Hazard symbols on labels	None
Storage	12 months, store in a dry place at a temperature between 5 °C and 35 °C

APPLICATION DATA AND TIMING

Recommended thinner	Water
Dry to the touch (50% R.H.)	at 10 °C 40-50 min at 25 °C 20-30 min at 30 °C 5-15 min
Coverage (50% R.H.)	at 25 °C 90 min
Environmental conditions of use	Temperatures between +10 °C and +30 °C and R.H. < 70% The degree of brilliance of SMALTURA T It is influenced by the following factors: <ul style="list-style-type: none">- Material temperature- Ambient humidity- Application temperature- Porosity of the support

Product for professional use. The purchaser undertakes to strictly follow the above warnings when applying the purchased product and the instructions in the safety data sheet.