

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

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.

SMALTURA® T • Technical sheet • 05/11/2025

Sivit S.r.l.

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Sistema di gestione conforme alle ISO 9001:2015 – ISO 14001:2015 – ISO 45001:2018

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PRODUCT DATA

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)
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: - Material temperature - Ambient humidity - Application temperature - Porosity of the support

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