

POLYURETHANE WATER TOP-COATINGS

SMALTURA®

Monocomponent polyurethane colored waterborne

Single-component water-based polyurethane enamel. Particularly suitable for simple coloring of small surfaces on industrial floors in resin or concrete, new or pre-existing, or for wall skirting boards.

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

Coloring of concrete floors.

To renew the color on resin flooring of old construction.

Paint for wall plinths.

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

Concrete bottoms. They must be solid, dry (seasoned if newly built), leveled, absorbent, not polluted by oils, detergents, powders or other substances.

Evaluate the most convenient type of mechanical preparation (abrasivation or shot blaster). Any holes and slight anomalies can be repaired with PAVIRAPID or SIVITCOL. Before application, apply a recovery of FIBROPROTEX PRIMER, for a consumption of 0.10-0.20 kg/m².

Tiled floors should be abrasive or shot blaster up to a completely opaque surface.

Existing resin coatings must be abrasive or shot blaster, thus eliminating dust residues.

Application

Homogenize the product before use.

SMALTURA is a single-component product: use it "as is". Apply in 2 stages, using a mini-roller or brush. The consumption for each shoot is about 100 g/m² (dry film of 31 microns).

Avoid too thick films: you would delay the development of the final characteristics of the film, in particular deep drying and sensitivity to water. To achieve a more shiny appearance you can apply a shot to finish of SMALTURA T.

Technical specifications

PRODUCT DATA	
Colour	Second RAL folder
Specific gravity (at 25 °C)	1,35 +/- 0,05 g/ml
Viscosity (at 25 °C)	700 +/- 150 mPascal (spindle 2, rpm 30)
Dry residue	52.7% by weight and 42.2% by volume (ref. RAL 7038)

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

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 1.5 to 36 hours
Environmental conditions of use	Temperatures between +10 °C and +30 °C and R.H. < 70%

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