

Smalton

TECHNICAL DATA SHEET



Description of the product

SMALTON is a transparent varnish for stone surfaces. It **adheres strongly** on the surface and presents great resistance to water and alkalis. It is **easily applied** in one coat and provides high and long lasting gloss.

Recommended uses

It is used for the protection and decoration of interior and exterior stone surfaces and on various natural and artificial construction materials (such as stones, marbles, lime stones, bricks, ceramics, cement etc).

Technical characteristics

Resin: Acrylic

Density: 0.94±0.02 gr/ml (EN ISO 2811.01, 20°C)

Production Viscosity: 30±5 sec (DIN 53211/4 mm, 20°C)

Storage Viscosity: 35±10 sec (DIN 53211/4 mm, 20°C)

Solids b.w.: 34±2% (EN ISO 3251)

Solids b.v.: 28±2% (ISO 3233)

Flash point: 12±2°C (EN ISO 1523)

VOC (Volatile Organic Compounds): **SMALTON** belongs to the category A/h SB (Binding primers) [EU Limit Value: 750 g/l. The ready to use product contains max. 630 g/l.

Shades

Transparent.

Properties

Gloss 20°: 82±2 (EN ISO 2813)

Scratch test: 45±5 µm: 5±2 Nt, after 24 hours (EN ISO 1518)
95±5 µm: 8±2 Nt, after 7 days

Adhesion (Pull off):
2.5±0.5 Nt/mm² (90-100% A) [stone] (EN ISO 4624)
3.5±0.5 Nt/mm² (90-100% A) [marble]

Resistance to water and alkalis: (ASTM D 1647)
No visible defaults for over 24 hours

Elasticity (Cold check): > 25 cycles (ASTM D 1211)

Exposure to fluorescent UV and water: 1000 h (EN ISO 11507)

Yellowing Index: ≤ 15 (ASTM E 313)

Gloss 20°: < 80 (EN ISO 2813)

Spreading rate

Recommended dry film thickness: 45±5 µm.

Spreading rate: 6±1 m²/Lt.

Application instructions

Before the application the surface is thoroughly cleaned from oils, grease and paraffin wax. If the surface is washed it is allowed to dry.

SMALTON is applied in 1 coat. If needed, mainly on porous surfaces, a second coat may be applied after at least 10 hours have elapsed from the application of the first coat.

Application method: Brush.

Thinning: No thinning is necessary.

Tools are cleaned immediately after the application with CHROTEX Brush Solvent, soap and water.

Drying time

Dry to touch: 12±4 minutes (ASTM D 1640).

Dry Through: 18±5 minutes.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

Packaging

Available in 0.75 Lt and 2.5 Lt cans.

Storage

1 year at least, provided the cans remain closed and in normal storing conditions.

Health and safety

Please refer to the labeling mentioned on the can. In case more information is needed refer to the Material Safety Data Sheet.

Notes

- **SMALTON** is not recommended for surfaces that will be stepped on.
- **SMALTON** is not suitable for surfaces with high humidity or high temperature.

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This issue replaces all previous ones*

