

TECHNICAL DATA SHEET

THERMOSHIELD REFLEX PREMIUM

Characteristics:

Anti-mould thermal insulating coating based on silicones, for exterior and interior use

Product properties:

Prevents the formation of mould and algae – reflects and at the same time absorbs heat – reduces heating and cooling costs – anti-condensation – extremely low water absorption and exceptional water vapour permeability – exceptional protection against weathering effects and soiling

TECHNICAL DATA

Colour:	white, wide range of colour shades (for exterior use, only shades formulated on the basis of inorganic pigments are recommended)
Binder base:	silicone emulsions and polymer dispersions
Dry matter content:	min. 50%
Bulk density:	approx. 1,250 kg/m ³
Viscosity:	1,500–6,000 mPa.s
Adhesion to the substrate:	min. 0.5 MPa STN 73 2577
Adhesion to the substrate after the test of resistance to sudden temperature changes:	min. 0.5 MPa STN 73 2581
Frost resistance – adhesion to the substrate after 15 freezing cycles:	min. 0.5 MPa STN 73 2579
Equivalent diffusion thickness:	max. 0.14 m EN ISO 7783-2
Watertightness:	0 l/m ³ . 30 min STN 732578
Wet abrasion:	class 2 EN 13300
Gloss:	very matt EN 13300
Grain size:	fine, max. 100 µm EN 13300
Resistance to mould:	grade 0 EN 15457

PROCESSING

Method of application:	roller, brush, airless spraying equipment
Thinning:	if necessary, thin with water up to 5%
Processing temperature:	it is not recommended to work at substrate and air temperatures lower than +5 °C or above +30 °C, in direct sunlight, in rain, or at relative air humidity above 80%
Drying time/coat:	4–6 hrs (20 °C, 65% rel. air humidity); a lower temperature and higher rel. humidity extend the drying time
Substrate:	the substrate must be dry, clean, cured, load-bearing, level, without cracks, free of dust, of varnish and oil layers, of old non-cohesive coatings, of chalk-based

paints, of salt efflorescence and the like; walls attacked by microorganisms (mould, algae) must be cleaned. Mould must always be removed by the wet method.

suitable substrates: lime-cement and cement surfaces, claddings made of high-quality plasterboard sheets, surfaces treated with levelling compounds, cement-based boards and chipboard, well-adhering decorative plasters and the like

Application of the material:

A priming coat is applied to the prepared substrate; in the case of remediation of walls attacked by microorganisms (mould, algae), it is recommended to use a deep-penetrating priming coat; after drying for 4–6 hrs (20 °C, 65% rel. air humidity), the THERMOSHIELD REFLEX PREMIUM coating is applied with a roller, brush or by airless spraying, as required, in 2–3 layers.

The product must be thoroughly mixed before use.

Cleaning of tools:

wash the working tools with water immediately after use

PACKAGING, CONSUMPTION, STORAGE

Packaging:

metal and plastic containers of 5 and 20 kg

Consumption:

0.30 kg/m² (2–3 layers)

Consumption may vary depending on the colour shade, the structure and the character of the substrate.

Storage:

store at temperatures of +5 °C to +25 °C. Protect from frost, sunlight and radiant heat. The product retains its functional properties in the original unopened packaging for a period of 12 months from the date of manufacture.

SAFETY, ECOLOGY, DISPOSAL

More detailed information on safety during transport, storage and handling, on disposal and on ecology can be found in the current Safety Data Sheet of the product.