

SOLTHERM AF-P+ 15

Thin-coat Silicate-Silicone Render with a 1.5 mm grain size /sand finish/

PRODUCT DESCRIPTION:

- **increased resistance to:**
 - **algal and fungal growth***
 - **weather conditions**
 - **impact and thermal stress**
- **low water absorption**
- **extra flexible**
- **high colour stability**
- **wide colour range**
- **easy to work and trowel**
- **hand and spray applied**
- **component of the SOLTHERM EWI systems with EPS and mineral wool**

USE:

SOLTHERM AF-P+ 15 is a hand applied silicone and silicate ready-mixed render, which provides a decorative and protective thin-coat render finish to exterior walls of new and existing buildings and indoors.

Substrates for which the render is suitable:

- external thermal insulation and composite systems (EWI) with polystyrene and mineral wool
- mineral substrates such as: concrete, cement or cement-lime renders.

SUBSTRATE PREPARATION:

Follow the EWI Instruction Manual no. IB/01/2001 to apply the base coat in the EWI insulation systems.

The surface must be structurally sound, even, clean of surface contaminants such as dust, grease, bitumen and other barrier materials that may affect adhesion. Remove old paint coats, loose, peeling or flaking plaster. Prime porous surface (particularly aerated concrete) with the primer SOLTHERM SP. Even out minor irregularities with a base coat for embedding reinforcing mesh such as SOLTHERM UB. Fill larger gaps and imperfections with the mortar SOLTHERM LRC.

Prior to the application of the silicate-silicone render SOLTHERM AF-P+15, prime the surface with the render undercoat SOLTHERM SNP COLOUR of colour matching the render colour. Priming does not apply to the adhesive SOLTHERM DA-P.

PRODUCT PREPARATION:

A ready-to-use product. Prior to application, stir the full packaging thoroughly with a low-speed mixing drill until a uniform mixture. Do not over-mix as this may introduce and entrap air into the paste.

NOTICE! In the summer, it is possible to adjust consistency by thinning the render with a small amount of water - 330 ml/25 kg of the render. Thin each container with the same amount of water. Do not admix, except for water.

APPLICATION:

Spread evenly a thin layer of stucco over the substrate using a stainless steel plastering trowel. Skim off excess mortar to the grain size with a small plastering trowel. The removed material can be re-used after re-mixing. Rub over texture with a plastic trowel in tight circular motions to seal the texture and provide the desired consistent finish. Remove excess stucco from the plastic trowel regularly using a putty knife.

Should you have any further queries about spray application, please contact SOLTHERM Customer Technical Support

LIMITATIONS AND RECOMMENDATIONS:

- We do not recommend application of dark colours (HBW < 30) to surfaces intensely exposed to sunlight due to increased absorption of solar radiation. For selected colours from the palette SOLTHERM Spectrum 300+ (36A, 36B, 37A, 37B, 38A, 38B, 39A, 39B), it is recommended to use paints with 'cool pigments to reflect some of the sun heat and thus reduce surface temperature.
- Do not apply to areas subject to prolonged water exposure, accumulated snow and areas not damp-proofed against capillary action.
- Prior to application, cover or mask surfaces that are not to be rendered.
- Allow fresh cement and lime-cement renders to cure for minimum 28 weeks.
- Plan the surface area to be rendered taking into consideration weather conditions, surface type and workforce.
- To obtain optimal appearance apply on one continuous area without interruptions with the use of material from the same batch.
- Protect from direct sunlight exposure, precipitation and wind during application operation and drying. Use scaffolding meshes.
- Do not splash the freshly applied rendering with water.
- Low temperature, increased humidity and improper air circulation extend the drying time.
- Clean tools and hands with running water immediately after use. After drying difficulties with cleaning may be experienced.
- Before using, ventilate the room spaces until the odour disappears.
- Tightly seal the container and use the remnant product shortly.
- Use the paints SOLTHERM STC-P, SOLTHERM STC-P EcoShield or SOLTHERM STC-P+ to refresh the rendering.

PRECAUTIONS:

Protect eyes and skin. In case of eye contact, flush eyes with plenty of water and seek medical advice

TOOLS:

- Agitator or low-speed mixing drill (400÷500 rpm) with hoop paddle.
- Stainless steel big and small plastering trowel or float
- Plastic trowel to provide the pattern
- Stainless steel putty knife
- Bucket
- Self-adhesive masking tape for separating rendered area and for seaming.

TECHNICAL DATA:

The following technical data are for the temperature of +23 (±2)°C and relative air humidity of 50 (±5)%. Under other conditions the technical data may vary.

Ambient and surface temperature at application and setting:
from +5°C to +25°C

Relative humidity at application and setting:
up to 80%

Density:
approx. 1.91 kg/dm³

Coefficient of heat conductivity λ (table value):
≤ 0.67 W/(m·K)

Diffusion resistance factor μ:
≤ 190

Vapour permeability according to PN-EN ISO 7783-2:
Category V2

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Water absorption according to EN 1062-3:

Category W3

Colour:

colour chart SOLTHERM 300+ Spektrum

other colours made to order according to the customer's colour chart

Drying time:

min. 24h

Packaging:

25 kg bucket

No. of containers per pallet and net weight:

24 unit / approx. 600 kg

Shelf life:

18 months from the date of production provided on the packaging

NOMINAL COVERAGE:

approx. $2.2 \div 2.8 \text{ kg/m}^2$

To determine precise coverage, perform a test patch on the surface.

STORAGE:

Store in intact original containers in temp. between +5°C and +25°C.

Protect from direct sunlight and frost. Store away from the reach of children.

COMPOSITION:

Organic binders, silicates, natural fillers, modifiers, pigments, hydrophobic agents and biocides.

*Upon special request, it is possible to obtain a render with high resistance to microbiological contamination (algae, fungi) from the SOLTHERM EcoShield line, designed for environments particularly prone to biological growth.

SOLTHERM guarantees product quality but has no control over its application and use. SOLTHERM takes no responsibility for contractors' and distributors' performance. The information supplied herein is given in good faith based on our current knowledge and latest application methods. The information provided cannot replace designer's and contractor's expertise and does not dismiss anyone from observing good practice and the OHS regulations. Should you have any further queries, carry out the tests or contact SOLTHERM Customer Technical Support. The publication of this Technical Data Sheet renders older editions invalid.