

SOLTHERM DECO

Decorative Thin-Coat Finish imitating natural stone

PRODUCT DESCRIPTION:

- decorative effect, particularly when matched with SOLTHERM DECO LAZUR and/or SOLTHERM BR,
- high resistance to:
 - mechanical damage
 - UV radiation - contains UV absorbers
- increased resistance to:
 - algal and fungal growth
 - weather conditions
- component of the SOLTHERM ETICS systems with EPS
- natural stone effect:
 - SOLTHERM DECO_{ST} - sandstone effect
 - SOLTHERM DECO_{AM} - granite effect



USE:

SOLTHERM DECO is a hand (SOLTHERM DECO_{ST}) or machine applied (SOLTHERM DECO_{ST} and SOLTHERM DECO_{AM}) acrylic ready-to-use render, which provides a decorative and protective thin-coat render finish imitating natural stone to exterior walls of new and existing buildings and indoors. Composed of carefully selected aggregate and premium acrylic binders, it gives a decorative touch to building surfaces.

Substrates for which the render is suitable:

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

Its properties as well as the decorative effect it provides make it perfect for finishing of plinths, cornices, columns, pilasters, dado or concrete fence and building details or other architectural elements.

The render comes in two types:

Name	Effect	Grain size
SOLTHERM DECO _{ST}	sandstone effect	0.5÷1.0 mm
SOLTHERM DECO _{AM}	granite effect	0.5÷2.0 mm

SUBSTRATE PREPARATION:

Follow the ETICS Instruction Manual no. IB/01/2001 to apply the base coat in the ETICS 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 absorptive 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 SOLTHERM DECO application prime the surface with the render undercoat SOLTHERM AP COLOUR in the colour matching the render colour. Priming does not apply to the dispersive base coat 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 - 100 ml/15 kg of the render. Thin each container with the same amount of water. Do not admix, except for water.

APPLICATION:

Hand application (only SOLTHERM DECO_{ST})

Apply two coats of the rendering paste using a stainless steel finishing trowel. Smooth down the surface working in one direction until an even, smooth and uniform surface is achieved. Clean the trowel during the operation. Smooth in one continuous movement. Apply the second coat when the first is completely dry.

Machine application

Apply evenly 1-2 render coats. Spray from a distance of 30 to 50 cm in circular motions, make circles about 20-25 cm in diameter moving horizontally and/or vertically across the surface. Hold the gun perpendicular to the surface. If recoating, overcoat when the first coat is completely dry.

Total render thickness should be between 3-4 mm.

LIMITATIONS AND RECOMMENDATIONS:

- We do not recommend application of dark colours to surfaces intensely exposed to sunlight due to increased absorption of solar radiation.
- 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.

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- 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.
- Spray apply only in windless weather.
- Do not spot spray the render after drying to fill or repair the texture.
- 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.
- When applying over a moulding, make sure that you have access to it from each side.
- 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.

PRECAUTIONS:

Protect eyes and skin. In case of eye contact, flush eyes with plenty of water and seek medical advice. Wear personal protective equipment during spray application.

TOOLS:

- Agitator or low-speed mixing drill (400÷500 rpm) with hoop paddle.
- Stainless steel finishing trowel
- Stainless steel putty knife
- Bucket, brick trowel
- Paper masking tape for separating rendered area and for seaming
- Spray gun with a compression sprayer

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. 1.70 kg/dm³

Coefficient of heat conductivity λ:
approx. 0.5 W/(m*K)

Diffusion resistance factor, μ:
≤ 250

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

Water absorption according to EN 1062-3:
Category W2

Colour:
colour chart SOLTHERM DECO:
• 38 patterns - SOLTHERM DECO_{ST}
• 10 patterns - SOLTHERM DECO_{AM}

Drying time:
min. 24h

Packaging:
buckets: 15kg, 30 kg

No. of containers per pallet and net weight:

15 litre buckets: 44 / approx. 660 kg

30 litre buckets: 24 / approx. 720 kg

Shelf life:

12 months from the date of production provided on the packaging

NOMINAL COVERAGE:

Render name	Stone size	Coverage
SOLTHERM DECO _{ST}	ca. 0.5 - 1.0 mm	2.8-3.5 kg/m ²
SOLTHERM DECO _{AM}	ca. 0.5 - 2.0 mm	3.8-4.8 kg/m ²

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

Usage is typical usage and may vary between installers. Coverage rates quoted for products will not be guaranteed under any circumstances. The rates quoted are based on site experience but may vary due to site conditions, operator skills etc. No claim will be allowed relating to coverage of materials.

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:

Acrylic binder, mixture of aggregate, modifiers, biocides.

COLOUR OF THE RENDER UNDERCOAT SOLTHERM AP COLOUR or SOLTHERM DA-P adhesive paste:

- BOLIX SOLTHERM_{ST}

item	Name	Recommended colour of the render undercoat SOLTHERM AP COLOUR or SOLTHERM DA-P adhesive paste:
1	ST 10 Stone	38G
2	ST 11 Stone	38G
3	ST 12 Stone	41G
4	ST 13 Stone	10G
5	ST 14 Stone	10G
6	ST 15 Stone	13G
7	ST 16 Stone	38G
8	ST 17 Stone	35G
9	ST 18 Stone	21G
10	ST 19 Stone	19D
11	ST 20 Stone	13D
12	ST 21 Stone	18D
13	ST 22 Stone	09G
14	ST 23 Stone	09G
15	ST 24 Stone	09G
16	ST 25 Stone	09G
17	ST 26 Stone	07D
18	ST 27 Stone	21G
19	ST 28 Stone	06G
20	ST 29 Stone	10G
21	ST 30 Stone	21G
22	ST 31 Stone	21G
23	ST 32 Stone	26D
24	ST 33 Stone	23G

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25	ST 34 Stone	29G
26	ST 35 Stone	29G
27	ST 36 Stone	26G
28	ST 37 Stone	26D
29	ST 38 Stone	38G
30	ST 39 Stone	38D
31	ST 40 M Stone	07D
32	ST 41 M Stone	26D
33	ST 42 M Stone	06G
34	ST 43 M Stone	23G
35	ST 44 M Stone	29G
36	ST 45 M Stone	21G
37	ST 46 M Stone	38G
38	ST 47 M Stone	38D

• SOLTHERM_{AM}

item	Name	Recommended colour of the render undercoat SOLTHERM AP COLOUR or SOLTHERM DA-P
1	AM 20 Granite	38D
2	AM 21 Granite	38D
3	AM 22 Granite	33D
4	AM 23 Granite	23G
5	AM 24 Granite	15G
6	AM 25 Granite	14D
7	AM 26 Granite	01A
8	AM 27 Granite	38G
9	AM 28 Granite	14G
10	AM 29 Granite	17D

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queries, carry out the tests or contact SOLTHERM Customer Technical Support.
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