

SOLTHERM AMC DECO

Thin-coat Decorative Natural Stone Finish with Mica

PRODUCT DESCRIPTION:

- It provides excellent decorative effects in line with the latest trends SOLTHERM DESIGN COLLECTION
- 36 attractive patterns
- high resistance to:
 - mechanical damage,
 - UV radiation - contains UV absorbers
- increased resistance to:
 - algal and fungal growth
 - weather conditions
- component of EPS based SOLTHERM EWI systems

USE:

SOLTHERM AMC DECO is an acrylic paste render finish for hand application. It provides decorative and protective thin-coat finishes to exterior walls of new and existing buildings as well as to interior areas. It is a composition of carefully selected aggregate including mica and a high quality acrylic binder, which give a unique decorative touch to building surfaces.

Suitable substrates:

- EPS based EWI external thermal insulation systems,
- mineral substrates such as: concrete, cement and lime-cement renders,
- drywall.

The properties and aesthetic effect the render provides make it perfect for exterior surfaces separated with quoins, grooves or channels, expansion joint profiles and for details or other architectural elements.

SUBSTRATE PREPARATION:

The base coat should be applied according to the SOLTHERM manual for EWI application.

Walls, which are not insulated must be sound, even, clean of dust, grease, bitumen, algae and other barrier materials. Remove any loose or friable material, peeling or flaking plaster or paint. Prime porous surfaces (aerated concrete in particular) with the SOLTHERM SP Primer. Level minor gaps and imperfections with an adhesive for embedding glass fibre mesh such as SOLTHERM UB. Larger gaps and imperfections fill with SOLTHERM LRC repair mortar.

Prior to the decorative render SOLTHERM AMC DECO application, prime each surface with the render undercoat SOLTHERM AP COLOUR in colour matching render colour.

PRODUCT PREPARATION:

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

NOTICE! Under hot weather conditions, it is possible to adjust consistency by thinning render with clean water, up to 150 ml/25 kg of paste. Thin each container with the same amount of water. Do not admix except water.

APPLICATION:

Apply with a stainless steel straight edge trowel and work in one direction until the surface is even and smooth. Do not forget to clean the trowel during application. Rub up render with a plastic trowel in tight circular motions to provide uniform texture. Apply and rub up a second layer of the paste render, when the first layer is dry.

Total render thickness should be between 2 – 3 mm. It is possible to apply one render coat, if the obtained effect is satisfactory.

However, since the render is rubbed up to create texture, what can lead to undercoat show through, we recommend to apply in two coats.

LIMITATIONS AND RECOMMENDATIONS:

- The render should be applied solely by a qualified and experienced installer.
- Do not apply to areas subject to prolonged water exposure, accumulated snow and areas not damp-proofed against capillary action.
- Apply to surfaces separated with quoins, grooves or channels, expansion joint profiles, channel screeds, etc. of surface area
- Before application, cover or mask surfaces that are not to be rendered.
- Fresh cement or lime-cement renders should be allowed to cure for 28 days before SOLTHERM AMC DECO application.
- Plan the surface area to be rendered taking into consideration weather conditions, surface type and workforce.
- Apply on one continuous area without interruptions with the use of materials from the same batch.
- Protect from direct sunlight exposure, precipitation and wind during application operations and drying. Use scaffolding meshes.
- 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 it is first put into service, ventilate the room, where decorative render has been applied, until odour disappears.
- Tightly seal the container and use the remnant product shortly.

PRECAUTIONS:

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

TOOLS:

- Agitator or low-speed drill (400÷500 rpm) with jiffy mixer
- Stainless steel float
- Plastic trowel to provide the pattern
- Stainless steel joint knife
- brick trowel

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 drying and setting:

up to 80%

Density:

approx. 1.70 kg/dm³

Coefficient of heat conductivity λ:

ca. ≤ 0.5 W/(m*K)

Diffusion resistance factor, μ:

≤ 240

Grain size:

up to 0.8 mm

Vapour permeability according to EN ISO 7783:-2

SOLTHERM AMC DECO

Thin-coat Decorative Natural Stone Finish with Mica

Category V2
Water absorption according to EN 1062:-3
Category W2
Colour: SOLTHERM AMC DECO colour chart 36 patterns
Drying time: min. 24h
Packaging: buckets: 25 kg
No. of containers per pallet and net weight: 25 litre buckets: / kg
Shelf life: 12 months from the date of production provided on the packaging

NOMINAL COVERAGE:

Application	Coverage
1 coat	2.9-3.5 kg/m ²
2 coat	3.5-4.5 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:

Acrylic binder, mixture of aggregate, mica, modifiers and biocide.

COLOUR OF SOLTHERM AP COLOUR RENDER UNDERCOAT

SOLTHERM AMC DECO		SOLTHERM AP COLOUR
Endless summer	2	15
Foggy coast	3	21
Old beauty	4	22
Silver queen	7	24
Green ghost	8	17
Gold spirit	9	29
Milk lake	10	27
Stormy sky	11	26
Dark side	12	26
Electric wine	13	20
Warm cream	15	16
Deep treasure	16	19
Silver sand	17	25
Perfect harmony	20	16
Natural beauty	21	16
Soft grass	22	17

African fruit	23	20
Magic night	24	26
Green vision	25	23
Cold wind	26	21
Exclusive spice	28	7
Grey light	29	21
Golden rain	32	15
Silent lady	33	14
Dark desert	34	14
Dusty rose	35	7
Mineral white	37	27
Soft Pearl	39	18
Tropical wave	41	15
Hypnotic dance	42	3
Sand hill	44	16
Spring break	45	17
Exotic vision	46	3
Cloud of dust	47	16
Bay fog	48	28
Elegant grey	49	24

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.