

SOLTHERM AMC

Thin-Coat Textured Mosaic Render

PRODUCT DESCRIPTION:

- available in 340 colours,
- high resistance to mechanical damage,
- enhanced weather resistance
- easy to keep clean,
- component of the SOLTHERM ETICS systems with EPS

USE:

SOLTHERM AMC is a hand applied acrylic mosaic texture ready-mixed render, which provides a decorative and protective thin-coat render finish to exterior walls of new and existing buildings and indoors. Composed of carefully selected colourful 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 EPS panles/boards,
 - mineral substrates such as: concrete, cement or cement-lime renders,
 - plasterboards,
- Ideal for finishing dado, plinths and architectural elements.

The render comes in two types:

Name	Group	Grain size
SOLTHERM AMC	A	approx. 1.0 mm
SOLTHERM AMC	B	approx. 1.5 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 AMC texture mosaic render 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 - 150 ml/15 kg of the render. Thin each container with the same amount of water. Do not admix, except for water.

APPLICATION:

Spread the render evenly to the grain size with a taping knife. using a stainless steel finishing trowel. Skim off excess render to the grain size with a small plastering trowel, levelling the render surface. Smooth down the surface working in one direction until an even, smooth and uniform surface is achieved. Clean the trowel during the operation. Once applied the render surface should not be floated.

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.
- Due to its decorative character and application method, SOLTHERM AMC is not recommended for large surfaces like entire building walls.
- 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.
- 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

TOOLS:

- Agitator or low-speed mixing drill (400÷500 rpm) with hoop paddle.
- Stainless steel plastering trowel
- Stainless steel joint knife
- Bucket, brick trowel
- Paper 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. 1.70 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 - 2 colour charts:

colour chart for mosaic renders SOLTHERM AMC 300 (300 samples)

SOLTHERM AMC

Thin-Coat Textured Mosaic Render

colour chart for mosaic renders (40 samples)

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	Group	Stone size	Coverage
SOLTHERM AMC	A	approx. 1.0 mm	2.0-3.0 kg/m ²
SOLTHERM AMC	B	approx. 1.5 mm	3.0-4.0 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, aggregate, modifiers.

BOLIX S.A. guarantees product quality but has no control over its application and use. BOLIX 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.