

# BOLIX SI-SIT 2 KA

## Thin-coat Silicate-Silicone Render with a 2.0 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 BOLIX EWI systems with EPS and mineral wool**

### USE:

BOLIX SI-SIT 2 KA 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 (ETICS) with polystyrene and mineral wool
- mineral substrates such as: concrete, cement or cement-lime renders.

### 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 porous surface (particularly aerated concrete) with the primer BOLIX N. Even out minor irregularities with a base coat for embedding reinforcing mesh such as BOLIX U or a cementitious smoothing compound BOLIX SPN (concrete substrate). Fill larger gaps and imperfections with the mortar BOLIX W.

Prior to the application of the silicate-silicone render BOLIX SI-SIT 2 KA, prime the surface with the render undercoat BOLIX SIG Kolor of colour matching the render colour. Priming does not apply to the adhesive BOLIX KD.

### 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 BOLIX Customer Technical Support on: 801 650 222.

### 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 BOLIX 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 BOLIX SIL, BOLIX SIL Complex or BOLIX SIL-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%

 <b>Masz pytania?</b> Zadzwoń! 801-650-222  Napisz! serwis@bolix.pl	<b>BOLIX SA</b> Ul. Stolarska 8 34-300 Żywiec Tel. 33 475 06 00 Fax. 33 475 06 12	<b>Znajdź nas</b> www.trwaleocieplenie.pl www.facebook.com/bolixsa www.bolix.pl	
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# BOLIX SI-SIT 2 KA

**Thin-coat Silicate-Silicone Render  
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**Density:**

approx. 1.91 kg/dm<sup>3</sup>

**Coefficient of heat conductivity  $\lambda$  (table value):**

$\leq 0.67$  W/(m\*K)

**Diffusion resistance factor  $\mu$ :**

$\leq 190$

**Vapour permeability according to PN-EN ISO 7783-2:**

Category V2

**Water absorption according to PN-EN 1062-3:**

Category W3

**Colour:**

colour chart BOLIX KOLOR 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:**

33 unit / approx. 825 kg

**Shelf life:**

18 months from the date of production provided on the packaging

**NOMINAL COVERAGE:**

approx. 2.8 ÷ 3.4 kg/m<sup>2</sup>

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.

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 BOLIX Customer Technical Support. The publication of this Technical Data Sheet renders older editions invalid.


**Masz pytania?**

Zadzwoń!  
801-650-222

Napisz!  
serwis@bolix.pl

**BOLIX SA**

Ul. Stolarska 8  
34-300 Żywiec  
Tel. 33 475 06 00  
Fax. 33 475 06 12

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