

SQS

Mineral plaster – stucco finish

For rendering decorative finishes.

Properties:

- non-flammable
- good diffusion of water vapour and CO₂
- weathertight
- UV-resistant
- water repellent
- white

Application:

- for rendering thin-layer decorative finishes:
 - in the quick-mix insulation system with Lobatherm S and S-Line polystyrene boards
 - in the quick-mix insulation system with Lobatherm W mineral wool
 - on load-bearing and properly prepared cement, cement-lime or gypsum primer coats
- for interior and exterior use

Quality and reliability:

- subject to constant quality control according to **ISO 9001**
- mortar class CR CS II acc. to **EN 998-1**
- adhesive compliant with **EN 197**
- chromium VI content reduced to <2ppm

Substrate pre-treatment:

The substrate must painstakingly cleaned, load-bearing, free from dust, grease, oil, wax and other substances that reduce adhesion. Prior to the substrate pre-treatment assess indications regarding applicable standards and technical conditions, such as **EN 13914**. Details concerning thermal insulation systems are described in the instruction **ITB 447/2009** and Technical Conditions for Execution, Evaluation and Acceptance of Facade Works using ETICS developed by SSO (ed.03/2015). Before applying **SQS** render to cement, cement-lime or lime substrates and adhesive reinforced layers made of S102 adhesive in quick-mix **LOBATHERM S** external insulation systems, it is necessary to prime the substrate with **GTA** plaster primer.

In case of quick-mix **S-LINE** and **W** insulation systems with **SKS** adhesive is not required to prime the substrate if the technological process is continuous. If the subsequent layers are applied after a break that is less than 3 months and the contractor performs a thorough inspection of the **SKS** adhesive layer to assess its load-bearing capacity and adhesion, i.e. if there is no secondary contamination or soiling which would decrease adhesion, the plaster may be applied without primer.

Application:

Pour the content of the 25 kg package into approx. 7.0 litres of water and mix thoroughly with a slow-running stirrer until a homogeneous lump-free mixture is obtained. To avoid colour differences and discolouration, always dose a constant amount of mixing water per sack of **SQS** plaster. It is also recommended to use material from one production batch.

If the mass thickens, stir it again vigorously without adding water. Apply the fresh mixture evenly on the substrate and then create the textured effect with a plastic float. Protect the fresh layer from adverse weather conditions such as frost, gusty winds, direct sunlight and rain. Work in air and substrate temperatures between 5°C and +25°C. Do not apply plaster on damp walls or walls in direct sunlight. While processing and during the drying time, the temperature for ambient air, substrate and the product must not be below +5°C or above +30°C. Do not work in direct sunlight or strong wind without using suitable protective netting or tarpaulins. Do not apply the material in fog or below the dew point. The above conditions should be maintained for min. 48 hours from the time the plaster is applied. Take extra care in case of night frost!

At a temperature of +20°C and 65% humidity the new plaster player can be painted after a suitably long seasoning period – usually after approx. 14 days. In unfavourable weather conditions, e.g. wind or rain, the seasoning period needs to be extended. Application of a quick-mix **GTA** primer coat reduces the risk of lime efflorescence and allows to apply a paint coat as soon as after 7 days. A painting test is recommended. **SQS** plaster surfaces can be painted with **Q 360** and **QX 300** silicone paints. Intense colours, e.g. yellow, orange, red, etc., are not always fully opaque. When choosing these colours, it is recommended to prepare the substrate by painting it with a similar opaque pastel colour on a white base. It may also be necessary to apply an additional opaque coating.

Depending on weather conditions, after min. 14 days after application, **SQS** plasters can be painted with **Antika Silikat F** silicate paint.

Consumption:

Structure 1.5 mm approx. 2.1 kg/m²(*)

Structure 2.0 mm approx. 2.5 kg/m²(*)

(*) The consumption rate depends on the type of the surface, its evenness and condition of the substrate. The consumption is also affected by the adopted method of product application and weather conditions in which the plaster is applied.



Working temperature:

Product application at air and substrate temperatures between +5°C and +25°C. Do not apply plaster on damp walls or walls in direct sunlight.

Drying time:

At +20°C ambient temperature and relative humidity of 65% the drying time is minimum 24 hours. Higher humidity and lower temperature extend the drying time.

Cleaning the equipment:

Wash the tools with water immediately after use.

Storage:

Keep indoors in the original container, at a temperature of +5°C minimum, for 12 months as of the production date.

Packaging:

25 kg bag

Safety:

This product contains calcium hydroxide and Portland cement that may cause allergies. Contact with moisture or water sets off an alkaline reaction.

Therefore, protect the skin and eyes. In case the plaster comes into contact with the skin, rinse the affected area thoroughly with water. In case of eye contact rinse the affected eye thoroughly with water and seek medical advice immediately.

Notice:

Information presented in this brochure was obtained through tests and several years of practical experience. However, it may not be relevant for every application type. Therefore, it is recommend to conduct your own application tests. We reserve the right to change technical recommendations as part of product development.

Technical data::

| | |
|-----------------------------------|--|
| mortar class: | CR CS II acc. to EN 998-1 |
| compressive strength: | 1.5 - 5.0 N/mm ² |
| water absorption: | W _c 2 |
| water vapour permeability μ : | ≤ 20 |
| adhesion: | ≥ 0.1 N/mm ² FP: A, B or C (EN 1015-12) |
| grading: | 1.5 or 2 mm |
| curing time: | 5-10 minutes |
| colour: | white |
| water addition: | 7.0 l / 25 kg |
| consumption: | 1.5 mm approx. 2.1 kg/m ² (°); 2.0 mm approx. 2.5 kg/m ² (°) |

The technical data refer to a temperature of 20°C and 65% relative humidity.

This product is a component of the insulation system:

LOBATHERM S, LOBATHERM S-LINE, LOBATHERM W and is compliant with the national technical assessment:

LOBATHERM S: ITB-KOT-2017/0127 3rd edition

LOBATHERM S-LINE: ITB-KOT-2017/0129 3rd edition

LOBATHERM W: ITB-KOT-2017/0128 3rd edition

National declaration of performance

LOBATHERM S: 20170127

LOBATHERM S-LINE: 20170129

LOBATHERM W: 20170128

European Technical Assessment:

LOBATHERM S: ETA-15/0349; DoP: 150349

LOBATHERM W: ETA-16/0462 DoP: 160462

Production plant:

No. 60: Ul. Nyska 36, 57-100 Strzelin

No. 61: Ul. Opoczyńska 14; 96-200 Rawa Mazowiecka

Status: March 2023

This technical manual replaces all the previous ones and makes them void.

More information available at:

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