

## Filling and adhesive mortar SKS

**For bonding thermal insulation panels, and for the fabric-reinforced filling and smoothing involved for LOBATHERM thermal insulation composite systems. Grey. Water-repellent.**

<b>Technical information:</b>	
Mortar group:	P II (> 5 N/mm <sup>2</sup> )
Processing time:	approximately 1 to 2 hours
Water required:	approximately 6 l to 25 kg
Yield:	approx. 0.7 l/kg
Quantities:	approximately 1.4 kg/m <sup>2</sup> for each mm of layer thickness
Grain size:	0 - 1 mm
Layer thickness:	4 mm
Processing temperature:	+5°C to +30°C
Delivery form:	25 kg sack
Colour:	grey

### Properties:

- mineral
- water-repellent (wa)
- high adhesive strength
- stress-relieved and low-shrink
- weatherproof and UV-resistant
- fibre-reinforced

### Applications:

- for bonding the polystyrene and mineral wool insulation panels used in LOBATHERM thermal insulation composite systems
- for fabric-reinforced filling and smoothing (minimum thickness: 4 mm) on flat LOBATHERM insulation panels, with subsequent thin finishing-plaster layer
- for fixing, filling and smoothing extruded PS panels for perimeter insulation (roughen the panels beforehand)
- for renovating, reinforcing and rehabilitating old plaster
- for smoothing uneven subsurfaces

### Quality and safety:

- easy to process, both by hand and machine
- quality controlled
- binder in accordance with DIN EN 197
- low chromate in accordance with TRGS 613

**Subsurfaces:**

All load-bearing, dust-free subsurfaces, such as concrete, all types of masonry, lime-cement plasters, cement plasters, synthetic resin plasters, and paint are suitable surfaces onto which insulation panels can be bonded. All loose material, soft or crumbling plaster, dirt and poorly bonded layers of paint must be removed. When assessing the subsurface, please observe VOB/C, DIN 18350, and DIN V 18550.

**Processing:**

Process by hand, or with conventional plaster mixing machines. If processing by hand, we recommend mixing using a mixer until a smooth paste is achieved. Approximately 6 l of water are required for each 25 kg-sack. Add a little more water if necessary. Apply the adhesive mortar in a line around the edges of the insulation panels and place several daubs of mortar on the surface of the panels. Apply sufficient adhesive mortar to ensure that approximately 60% (and no less than 40%) of the panel surface is covered with adhesive mortar after the panel has been put in place. Caution: Do not allow the adhesive mortar to squeeze into the panel joints. Remove the excess mortar immediately if this happens. For very flat, even subsurfaces, the adhesive can be spread uniformly across the insulation panels using a notched trowel (10x10x10 mm). The drying time is dependent on the weather conditions, but is not less than 1 day.

When used as filling and reinforcing mortar, apply in layer thicknesses of approximately 4 mm on the insulation panels and “comb” the mortar using an 8x8x8 mm notched trowel. Lay the alkali-resistant GWS reinforcement fabric vertically or horizontally onto the fresh mortar layer without any folds or wrinkles. Using a trowel push the fabric gently into the mortar and spread the mortar to close the surface over the fabric. Ensure that the fabric extends at least 10 cm over all joints.

Curing period: at least 1 day for every mm layer thickness, dependent on the hardening conditions. The fresh reinforcing layer must be protected from drying out too quickly and from unfavourable weather conditions (such as frost). Do not carry out works at air and surface temperatures below +5°C.

**Yield:**

When mixed correctly, 25 kilograms of dry SKS mortar produce approximately 17.5 litres of fresh mortar.

**Quantities:**

Approximately 1.4 kg of dry mortar are required to cover an area of 1 m<sup>2</sup> with a layer 1 mm thick.

**Storage:**

Store in dry conditions on a wooden pallet.

**Delivery form:**

25 kg sack

**Advice:**

This product contains cement and produces an alkaline reaction when



it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes. See also the information printed on the sack.

The information provided is based on extensive tests and practical experience. It does not apply to every application situation. For this reason we recommend that you carry out a trial if necessary. Subject to technical alterations within the framework of further development. Our general terms and conditions apply.

Date of issue: December 2005

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