

PRODUCT DATA SHEET

Sika®-1 Pre-bag LC Screed Mortar

Low cement waterproof screed system

PRODUCT DESCRIPTION

Sika®-1 Pre-bag LC Screed Mortar is a pre-bagged, kiln dried blend of aggregates, cements, cement replacement materials with waterproofing admixtures. Packed as a single product system and formulated to achieve a high performance, durable and sustainable screed system. Mix with water in differing quantities to achieve an initial bonding layer and screed buildup. The formulation is optimised for pumped and hand-applied applications.

USES

Used for horizontal screed elements of:

- Internal waterproofing of below ground structures to meet the requirements of BS 8102:2022 Grades 1 - 3
- Waterproofing of swimming pools and other water retaining structures
- Waterproofing of basements, cellars and vaults

CHARACTERISTICS / ADVANTAGES

- Newly optimised for pumped applications
- Type A waterproofing system according to BS 8102:2022
- Fully bonded waterproofing barrier
- Can be applied to wet substrates
- For use on concrete, brick and structural blockwork
- Can be used internally and externally
- Can be applied on horizontal surfaces
- Used for negative or positive water pressure situations
- Cement reduction to reduce CO₂ impact for a more sustainable formulation
- Eligible for product guarantee when applied by approved contractor

PRODUCT INFORMATION

Packaging	25 kg bags (40 bags per pallet)
Colour	Grey
Shelf Life	9 months from date of production
Storage Conditions	Store in dry conditions at temperatures between +10 °C and +30 °C

TECHNICAL INFORMATION

Compressive Strength	> 50 MPa at 28 days (EN 13892-2)
Flexural Strength	> 9 MPa at 28 days (EN 13892-2)

APPLICATION INFORMATION

Consumption	Mix each 25 kg bag Sika®-1 Pre-bag LC Screed Mortar with 2.5 L of clean water. A mixed 25 kg bag of screed mortar will yield ~12.3 L of mortar which is sufficient to cover 0.6 m² at 20 mm thick
System thickness	Min. 30 mm (including bonding layer)

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

NOTES ON INSTALLATION

If a product guarantee is required, product must be installed by a Sika approved installer.

SUBSTRATE QUALITY / PRE-TREATMENT

Floors/General:

All existing treatments shall be completely removed and the exposed concrete floor mechanically prepared, washed down and brushed to ensure full removal of all loose debris to give an exposed aggregate finish, free of laitance and surface contamination.

MIXING

Place the correct amount of water into a mixer/pump, add the mortar and mix until the water has been fully combined, approx. 3 minutes. The Sika®-1 LC Screed Mortar is to be mechanically mixed using a forced action mixer or drill and paddle mixer to limit the amount of air entrapment.

APPLICATION

Refer to Sika-1 LC Screed Render system datasheet for full application methods

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet
Sika®-1 Pre-bag LC Screed Mortar
January 2026, Version 01.01
020701010010000432

Sika-1Pre-bagLCScreedMortar-en-GB-(01-2026)-1-1.pdf