

PRODUCT DATA SHEET

SikaWall®-178 EXT

HIGH PERFORMANCE CEMENTITIOUS FINISH SKIM COAT FOR EXTERNAL APPLICATION

DESCRIPTION

SikaWall®-178 EXT a high performance cementitious finishing coat specially formulated for skimming of uneven surfaces and filling small holes and bubbles in concrete substrates surfaces. The durable finish with excellent adhesion strength is suitable for external application.

Just add water to SikaWall®-178 EXT by mixing with either a hand-held or mechanical mixer to produce a homogeneous paste with good workability.

USES

SikaWall®-178 EXT is developed as a finish coat suitable for application on concrete substrates surfaces, lightweight concrete slabs, walls, columns and beams. It can also be applied on pre-cast panels, soffits, block-walls, lightweight autoclaved aerated blocks and rendered surfaces.

CHARACTERISTICS / ADVANTAGES

- Excellent bonding strength and durability.
- Premixed for consistent quality.
- Easy to handle, mix and apply (just add water).
- Cover non-active surface crack lines.
- Can be painted over.
- Environmentally friendly and sustainable building material.
- Ideal for external skimming application.

PRODUCT INFORMATION

Packaging	40 kg bag
Appearance / Colour	Fine grey powder
Shelf Life	12 months from the date of production
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +35 °C. Keep away from direct sunlight, rain and water.

TECHNICAL INFORMATION

Compressive Strength	7 - 12 N/mm ²	(BS EN 1015 - 11)
Shrinkage	Linear : ≤ 0.10%	(ASTM C531)
Tensile Adhesion Strength	Individual ≥ 0.6 N/mm ² Average ≥ 0.8 N/mm ²	(BS EN 1015 - 12)

Loss of strength $\leq 15\%$.
No cracks or debonding

(After weathering)

APPLICATION INFORMATION

Consumption	Approximately 28 – 34 m ² / mm per 40 kg bag
Layer Thickness	1.0 mm to 3.0 mm thickness per layer of application (Maximum total thickness = 6 mm)
Pot Life	60 minutes
Fresh mortar density	Approx 1,600 kg/m ³ (Wet)

BASIS OF PRODUCT DATA

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.

FURTHER DOCUMENTS

Water Retentivity $\geq 95\%$ (BS 4551)

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

SURFACE PREPARATION

Remove all dust, oil or traces of foreign materials. Dampen the dry concrete or plastered surface before application of SikaWall®-178 EXT.

MIXING

Add approximately 12.0 - 14.0 litres of water to 40 kg of SikaWall®-178 EXT, mix thoroughly using an electrical mixer for 3 to 5 minutes until the desired homogeneous paste is achieved and ready to use.

APPLICATION

SikaWall®-178 EXT is applied using a steel trowel to a maximum thickness of 3 mm and cured under shaded ambient conditions.

Second coat can be applied after previous coat is dry. The total thickness should not exceed 6 mm. It will remain workable for approximately 60 minutes after mixing. SikaWall®-178 EXT can be finished with soft hair brush or trowelled smooth.

It is important to protect the product during placement and whilst curing from direct sunlight and wind. This is to prevent rapid dehydration or desiccation (excessive moisture loss).

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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