

PRODUCT DATA SHEET

SikaWall®-186

ENVIRONMENTALLY FRIENDLY CEMENTITIOUS SKIM COAT PLASTER

DESCRIPTION

SikaWall®-186 is a premium grade, environmentally friendly cementitious skim coat, with reduced embedded carbon footprint. It is approved by the Eco-labelling authority in Singapore as a sustainable building material. SikaWall®-186 is ideal for plastered and concrete surfaces and is ideal for internal skimming. SikaWall®-186 consists of Part A liquid and Part B powder that are mixed with a mechanical mixer to achieve a homogeneous paste to give excellent workability on both vertical and overhead surfaces.

USES

Application of SikaWall®-186 is suitable for all types of concrete substrates such as :

- Lightweight concrete slabs
- Ceilings
- Walls
- Columns
- Beams

SikaWall®-186 can also be applied on lightweight autoclaved aerated blocks, blockwall and plastered surfaces.

CHARACTERISTICS / ADVANTAGES

- Environmentally friendly and non toxic.
- Premixed to ensure good consistent quality.
- Prepacked for convenience in handling, mixing and application.
- Eliminates surface crack lines.
- High bonding strength and durability.

PRODUCT INFORMATION

Packaging	A + B Set	20 kg / 80 kg Ready-to-mix set
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* Note: alternative packaging is available

Shelf Life	Shelf life of up to 12 months from the date of manufactured	
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Storage Conditions	Stored in a dry place, free from moisture contact.	
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Appearance / Colour	Fine Grey / White powder	
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TECHNICAL INFORMATION

Compressive Strength	7 - 12 N/mm ²	(BS EN 1015 - 11 : 1999)	
Tensile Adhesion Strength	Individual	Average	(BS EN 1015 - 12 : 2000)
	≥ 0.6 N/mm ²	≥ 0.8 N/mm ²	
	Loss of strength ≤ 15%		(ASTM G154 : 2006)
	No cracks or debonding (After weathering)		
Shrinkage	Linear ≤ 0.10%	(ASTM C531 : 2000 (2005))	

APPLICATION INFORMATION

Layer Thickness	1.0mm to 3.0mm thick per layer of application (maximum total thickness = 6mm)
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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
≥ 95% (BS 4551 : 2005)

ECOLOGY, HEALTH AND SAFETY

SUBSTRATE PREPARATION

Remove all dust, oil or traces of foreign materials. Dampen the dry concrete or plastered surface before application of SikaWall®-186.

MIXING

Mix thoroughly using an electrical mixer for 3 to 5 minutes until the desired homogeneous paste is achieved and ready to use.

APPLICATION

SikaWall®-186 is applied using a steel trowel to a maximum thickness of 3mm and cured under shaded ambient conditions. After about 4 hours, the second coat is applied such that total thickness does not exceed 6mm.

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). It is recommended to cure dry plaster by water spray to prevent shrinkage cracking.

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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