

PRODUCT DATA SHEET

SikaWall®-168 Plaster EM

Cementitious wall finishing plaster for interior and exterior applications

DESCRIPTION

Formerly SUPRACOAT SUPER WALL PLASTER. SikaWall®-168 Plaster EM is a high-quality, premixed cementitious plaster designed for finishing walls and structural elements such as columns and beams. It delivers a durable surface and is suitable for a wide range of substrates.

USES

SikaWall®-168 Plaster EM is used for interior and exterior wall plastering to achieve a uniform and durable surface finish.

Suitable for application on:

- In-situ and precast concrete surfaces
- Cement-sand render
- Lightweight autoclaved aerated concrete (AAC/ALC) blocks
- Brickwork and blockwork

Recommended for use on vertical surfaces such as walls, columns, and beams, and suitable as a base for subsequent finishes including skim coat, paint, or decorative coatings.

CHARACTERISTICS / ADVANTAGES

- Smooth quality surface finish
- Easy to use – just add water
- Good workability for easy application
- Excellent adhesion to substrates
- Enhanced durability
- Reduces hairline cracking
- Minimizes surface defects such as organic staining commonly associated with conventional plaster

PRODUCT INFORMATION

Packaging	40 kg bag
Appearance / Colour	Grey powder
Shelf Life	6 months from date of production
Storage Conditions	Store properly in dry conditions, in undamaged and unopened, original sealed packaging. Keep away from direct sunlight, rain, water and moisture.

TECHNICAL INFORMATION

Tensile Adhesion Strength	≥ 0.5 N/mm ²	(EN 1015-12)
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APPLICATION INFORMATION

Mixing Ratio	7.2–8.0 L of water per 40 kg bag
Consumption	~1.1–1.2 kg/m ² /mm * Dry powder * This may only serve as a guideline. It is highly recommended to carry-out trials on site to determine the actual coverage
Layer Thickness	3 mm min. / 8 mm max. Maximum 2 layers
Pot Life	~1 hour at 28 °C
Waiting Time / Overcoating	4 hours
Fresh Mortar Density	1600–1900 kg/mm ³

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.

IMPORTANT CONSIDERATIONS

- Do not apply SikaWall®-168 Plaster EM on gypsum-based substrates.
- Application at insufficient thickness may result in a chalky surface, which is unsuitable for subsequent finishes.
- Application on highly porous or dry substrates may lead to a chalky or dusty surface, affecting adhesion of subsequent coatings. Substrates must be properly pre-wetted prior to application.
- Under hot or drying conditions, cure the applied plaster with light water spraying for at least the first 2 days to improve shrinkage control and surface integrity.
- Painting or application of subsequent coatings should only commence after a minimum of 7 days curing.

ECOLOGY, HEALTH AND SAFETY

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

SUBSTRATE QUALITY / PRE-TREATMENT

- All substrates must be structurally sound, clean, and free from dust, grease, oil, wax, curing compounds, and any loose or contaminating materials that may impair adhesion.
- Dusty concrete or masonry surfaces should be thoroughly cleaned and pre-dampened with water prior to the application of SikaWall®-168 Plaster EM.
- New concrete substrates must be allowed to cure adequately (minimum 28 days) before application.
- For brickwork, hollow blocks, and lightweight aer-

ated (AAC/ALC) blocks, a suitable bonding slurry or scratch coat is recommended to enhance adhesion.

- Highly porous or dry substrates must be pre-wetted to achieve a saturated surface dry (SSD) condition prior to application.
- It is the user's responsibility to determine the suitability and condition of the substrate before application.

MIXING

Pour the recommended amount of clean water into a suitable mixing container. Gradually add SikaWall®-168 Plaster EM while mixing continuously using a low-speed electric mixer (approximately ~500 rpm) to minimize air entrainment.

Mix for at least 3 minutes until a homogeneous, lump-free mortar with a smooth and workable consistency is achieved.

Allow the mixture to mature for 2–3 minutes, then re-mix briefly before application.

APPLICATION

Apply SikaWall®-168 Plaster EM onto the prepared substrate using a steel trowel, pressing firmly to ensure good contact and adhesion.

Apply in a uniform layer with a recommended thickness of 3–8 mm per coat. For thicker build-up, apply in maximum 2 layers. Allow the first layer to set until tack-free before applying the second layer.

Level the surface using a straightedge, then finish with a steel or wooden float to achieve the required surface texture.

Apply at ambient temperatures between +5 °C and +35 °C. Avoid application under direct sunlight, strong winds, or rain. For external areas, provide suitable protection (e.g., shelter) to prevent exposure to sun and rain during application and early curing. It is the user's responsibility to assess the condition and suitability of all substrates prior to application.

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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