

PRODUCT DATA SHEET

SikaWall®-170 LM

Universal, sprayable lightweight filler for filling, patching and surface levelling

DESCRIPTION

SikaWall®-170 LM is a white, weatherproof special levelling compound. It is based on white cement highly synthetic resin modified. Especially suitable for levelling of facade surfaces, in damp rooms and of similar high loaded surfaces.

USES

SikaWall®-170 LM is suitable for filling, smoothing and full-surface levelling of facade surfaces (e.g. intact roughcast and patterned plaster), coarse substrates, unevenly sanded smooth fine plaster surfaces (e.g. gypsum plaster, cement plaster), plaster projections, surfaces with bubbles, masonry, dry construction elements, old glass fabrics, old flocked substrates, ceramic coverings, concrete and lightweight concrete, stable old coatings, ceiling and wall surfaces

FEATURES

- spray and roller application
- high stability
- high filling level
- low consumption
- ideal for outdoor applications and high-traffic areas
- good adhesion to different substrates
- diffusible
- suitable for damp rooms and similarly heavily used surfaces

CERTIFICATES AND TEST REPORTS

- EMICODE EC 1PLUS: very low emission

PRODUCT INFORMATION

Packaging	15 kg paper bag
Appearance and colour	white
Shelf life	1 year from the date of production.
Storage conditions	Opened bags should be closed immediately and used up as soon as possible. Do not store below +5 °C

APPLICATION INFORMATION

Mixing ratio	For 15 kg SikaWall®-170 LM ~ 7.25 l water ~ 7.75 l water for roller and airless spraying application
Consumption	~ 0,8 kg/m ² /mm
Layer thickness	1 - 10 mm
Ambient air temperature	+7 °C min. / +30 °C max.

Substrate temperature +7 °C min. / +30 °C max.

Pot Life ~ 6 - 8 hours at +18 °C

Waiting time to overcoating up to 5 mm ~ 24 hours

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

- Despite its high synthetic resin content, after hardening SikaWall®-170 LM is very easy grindable.
- All information applies to standard conditions and relates to the non-extended levelling compound.
- SikaWall®-170 LM contains cement. It reacts alkaline on contact with moisture, therefore protect skin, eyes and respiratory system. Do not breathe in dust. In case of contact rinse immediately with plenty of water. In case of contact with eyes seek additional medical advice.
- Please follow the relevant product data sheets when using complementary products.
- If in doubt, we recommend obtaining further information from the manufacturer.

ECOLOGY, HEALTH AND SAFETY

HAZARD WARNING

GISCODE: ZP 1

When handling our products, the essential physical, safety, toxicological and ecological data must be taken from the substance-specific safety data sheets. The relevant regulations, such as the Hazardous Substances Ordinance, must be observed. To help you select suitable protective equipment, our information data sheets 'General information on occupational safety' (reference number 7510) and 'General information on wearing protective gloves' (reference number 7511) are available at www.sika.de.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- Suitable substrates are: Concrete and lightweight concrete, gypsum and cement plaster, masonry, dry construction elements and several old substrates like ceramic tiles or stable old coatings.

Priming

- **Non-absorbent and normal absorbent substrates:** priming not required
- **Highly absorbent substrates (exterior):** prime with Sikafloor®-03 Primer
- **Highly absorbent substrates (interior):** prime with Sikafloor®-01 Primer (1:3) or Sikafloor®-03 Primer

Requirements for the substrate:

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Clean, free from exudation marks, sinter layers, separating agents, parts stimulating corrosion or other disturbing layers.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures,
- Non-stable, old coatings, e.g. distemper, should be removed.
- The requirements of the relevant valid standards, guidelines and data sheets apply.
- In order to receive the substrate requirements of the specific coverings, refer to the technical product information of the coverings manufacturer.

MIXING

Add SikaWall®-170 LM to cold clean water using a clean container and mix until a homogeneous mixture has been achieved. Use of a helicon rubber stirring rod and a mixer with 750 - 1500 rpm is recommended.

APPLICATION

- Apply levelling compound using a roller, a stainless steel trowel or an airless spraying device.
- For machine application e.g. airless devices of company Wagner, Heavy Coat class 10 or similar are suitable.
- Recommended nozzle system ≥ 535 , hose diameter DN 10 or DN 13, hose length max. 17,5 m.
- During stoppage of work lower pressure to prevent clogging of the nozzle.
- Depending on processing conditions an intermediate cleaning of the machine is necessary.
- By decelerated smoothing or two times application a formation of pores/pinholes on e.g. concrete can be minimised.
- For filling deepenings adjust a stronger consistency as for full-surface levelling.
- In case of spot levelling, attention must be paid to the alkalinity of the substrate for subsequent coatings or wall coverings.
- Prior to applying paints, synthetic resin plasters, wallpaper and wall coverings, consult the manufacturer's processing recommendations.

CLEANING OF EQUIPMENT

Immediately after use clean tools with water. Hardened material can only be mechanically removed.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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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