

PRODUCT DATA SHEET

Sikafloor®-100 Level

POLYMER MODIFIED CEMENTITIOUS FLOOR LEVELLING COMPOUND FOR 1-10 MM. C25-F6.



PRODUCT DESCRIPTION

Very low emission cement based self-levelling compound suitable for interior areas. Sikafloor®-100 Level is characterised by good working properties. Suitable for castor chair rollers according to EN 12 529.

USES

Sikafloor®-100 Level is suitable for filling, smoothing and levelling of the suitable substrates before applying textile and elastic floor coverings in interior areas.

CHARACTERISTICS / ADVANTAGES

- For interior use
- Can be grinded
- Water proof against dispersion adhesives
- Self levelling
- Very smooth application
- Suitable for application on subfloor heating systems
- Layer-thickness 1-10 mm
- Can be pumped
- Feather-edging acceptable in pedestrian areas
- Suitable for castor wheels loading with layer-thickness more than 1 mm according to EN 12 529
- Polymer modified
- Low tension
- Standard Sikafloor EP primers give excellent bonding to the Sikafloor Level products

ENVIRONMENTAL INFORMATION

- EC 1 PLUS R: very low emission, regulated.

APPROVALS / STANDARDS

- C25-F6 according to EN 13813. DoP no. 115050401 provided with the CE-mark.
- A1/A1_{fl} according to DIN EN 13501-1

PRODUCT INFORMATION

Chemical Base	Cement based, Polymer modified
Packaging	25 kg in paper bags
Appearance / Colour	Grey
Shelf Life	6 months 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.

TECHNICAL INFORMATION

Compressive Strength	Time	Temperature	Value	EN 13892-2
	24 hours	+23°C	>13 N/mm ²	
	7 days	+23°C	>25 N/mm ²	
	28 days	+23°C	>29 N/mm ²	
Flexural Strength	28 days	> 6 Mpa (+20°C)		EN 13892-2

APPLICATION INFORMATION

Consumption	Approx. 1.5 kg/m ² /mm.
Pot Life	Approx. 30 min. at +20 °C.
Waiting Time / Overcoating	Sikafloor®-100 Level can be overcoated as follow: <ul style="list-style-type: none">▪ Up to 3 mm after approx. 24 hours for all kind of coverings▪ Up to 5 mm after approx. 48 hours for all kind of coverings All values are approximate and are subject to climatic fluctuations. Values given with 20°C and 65 % rel. humidity, temperature of substrate +15 °C.
Applied Product Ready for Use	Ready for foot traffic after approx. 3 hours.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- Adequate strength, load bearing capacity, dimensional stability and permanent dryness.
- Free of residues which reduce adhesion, e.g. dust, dirt, oil, fat and loose particles.
- Separation layers, sinter layers, and other similar contamination should be removed through appropriate measures, such as sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- Old, loose and weak levelling layers should be removed mechanically.
- With subsequent installation of floor coverings, cement screeds are required to display a residual moisture reading of ≤ 2.0 CM-% (heating screeds ≤ 1.8 CM-%), calcium sulphate screeds should have a reading of ≤ 0.5 CM-% (heating screeds ≤ 0.3 CM-%).
- Layers of water-soluble adhesives, e.g. sulphite-waste-adhesives, are to be mechanically removed. Remaining adhesive residues should be primed with Sika Epoxy Primer (for example Sika Primer MB).
- Old water-resistant adhesives are to be mechanically removed as thoroughly as possible.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

MIXING

For 25.0 kg Sikafloor®-100 Level approx. 6.0 l water. Add Sikafloor®-100 Level to cold clean water to form a homogeneous mixture using a clean receptacle. Use of a mixer with disc stirring rod is recommended. After a short waiting time, mix again thoroughly.

APPLICATION

- After mixing pour out the levelling compound and spread using a smoothing trowel. Even surfaces are easily achieved with a suitable notched trowel.
- In the case of higher layer-thickness, contact with vertical structures should be avoided by putting in a perimeter isolating strip.
- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using a suitable Sika repair mortar.
- For normal absorbent substrates such as cement screeds, rapid cement screeds, concrete prime with Sikafloor®-01 Primer (1:3) or Sikafloor®-03 Primer
- For calcium sulphate substrates such as calcium sulphate screeds prime with Sikafloor®-03 Primer (drying time 60 minutes) or Sikafloor®-01 Primer (1:1) / (drying time at least 24 hours).
- For old water resistant adhesive residues, prime with Sikafloor®-01 Primer (neat).

CLEANING OF TOOLS

Immediately after use clean tools with water.

FURTHER DOCUMENTS

The applicable recommendations, guidelines, European Norms, regulations and Safety Data Sheets are to be observed, together with the recognized architectural and engineering regulations.

LIMITATIONS

- Sikafloor®-100 Level contains cement. Alkaline reaction when it comes in 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.

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
- Protect curing Sikafloor®-100 Level levelling layers from high ambient temperatures, direct sunlight and draughts.
- Contact to metal like water-bearing pipes must be avoided (e.g. sealing of pipe penetrations), because especially galvanised steel pipes have no sufficient corrosion protection.

For old vinyl, linoleum and rubber coverings (up to 2.5 mm) please note:

- The minimum layer-thickness is 3.0 mm.
- Old coverings with cushioned backings are not suitable.
- If high point loads (e.g. hospitals, etc.) are expected, laying on top of old coverings is not recommended.
- Soft old coverings are limited for taking parquet.

Disposal:

- Empty packaging completely and dispose of in accordance with regulations
- For the disposal of product residues, waste water and containers with adherent product residues please follow the local governmental regulations.

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.

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.

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.

REGULATION (EC) NO 1907/2006 - REACH

Low in chromate according to REACH.

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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