

Sikafloor®-200 Level

POLYMER MODIFIED CEMENTITIOUS FLOOR LEVELLING
COMPOUND FOR 3-40 MM. C25-F6.

PRODUCT DESCRIPTION

Very low emission cement based self levelling compound suitable for interior and exterior areas. Sikafloor®-200 Level is noted for its extremely low shrinkage.

USES

Sikafloor®-200 Level is suitable for filling, smoothing and levelling of suitable substrates before applying parquet, ceramic tiles, textile and elastic floor coverings. Use suitable Sika Primer according to absorbency and condition of substrate.

CHARACTERISTICS / ADVANTAGES

- Waterproof
- Frost resistant
- Self levelling
- Rapid hardening
- Suitable for application on subfloor heating systems
- Layer thickness 3-40 mm (50 mm filled)
- High level of hardness and strength
- Low tension
- Can be pumped
- Suitable to build bonded screeds under ceramic tiles on cementitious substrates
- 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. 115072001 provided with the CE-mark.
- A1/A1fl 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 floor temperature.

TECHNICAL INFORMATION

Compressive Strength	<u>Time</u>	<u>Temperature</u>	<u>Value</u>	EN 13892-2
	24 hours	+23°C	>10 N/mm ²	
	7 days	+23°C	>20 N/mm ²	
	28 days	+23°C	>25 N/mm ²	
Flexural Strength	28 days	>6 Mpa (+20°C)		EN 13892-2

APPLICATION INFORMATION

Consumption	Approx. 1,8 kg/m ² /mm.
Pot Life	Approx. 40 min. at +20°C
Waiting Time / Overcoating	Sikafloor®-200 Level can be overcoated as follow: <ul style="list-style-type: none">▪ Up to 60 mm after approx. 4 hours for ceramic coverings on concrete and cementitious screeds interior 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. 4 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.
- Surface treatments or any friable areas of the subfloor must be mechanically removed and the subfloor repaired with levelling compounds as required.
- Old, loose and weak levelling layers should be removed mechanically.
- With subsequent installation of ceramic coverings, cement screeds are required to be at least 28 days old and to display a residual moisture reading of ≤ 2.0 CM-% (heating screeds ≤ 2.0 CM %), calcium sulphate screeds should have a reading of $d \leq 0.5$ 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 suitable Sika epoxy primer.
- Old water resistant adhesives are to be mechanically removed as thoroughly as possible (minimum 50%).
- Rooms in buildings without a basement must have an affective damp roof membrane and be in compliance with the relevant national standard.
- Old, ceramic coverings and natural stones should be firmly laid, thoroughly cleaned and eventually abraded.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

MIXING

For 25,0 kg Sikafloor®-200 Level approx. 4,5 l water. Add Sikafloor®-200 Level to cold clean water to form a homogeneous mixture Using a clean receptacle. Use of a mixer with disc stirring rod is recommended.

APPLICATION

- After mixing spread Sikafloor®-200 Level using a suitable tool (surface blade) and remove the entrapped air using a spike roller.
- Edge and movement joints must be brought through to the finished surface and should be protected against levelling compound to run in.
- For normal absorbent substrates such as cement screeds, rapid cement screeds prime the surface with Sikafloor®-01 Primer (1:5) or Sikafloor®-03 Primer
- For non-absorbent, smooth, sound substrates such as old water resistant adhesive residues, ceramic tiles, prime the surface with Sikafloor®-02 Primer
- For calcium sulphate substrates such as calcium sulphate screeds, prime with Sikafloor®-01 Primer (1:1), drying time at least 24 hours or with the product Sikafloor®-03 Primer, drying time at least 1 hour.
- For exterior use and high layer thicknesses prime the surface with Sikafloor®-01 Primer (1:3) or with Sikafloor®-03 Primer (drying time approx. 15- 30 minutes)
- On concrete the levelling works should be applied to an adequate thickness and surface flatness as stipulated by the manufacturer of the tile or flooring finish.
- Carry out preparatory work such as filling joints, evening out hollows and unevenness using a suitable Sika sturdy repair mortar.
- If a second layer of levelling compound is to be applied, the first levelling compound layer should be primed with Sikafloor®-01 Primer (1:1) or with the primer Sikafloor®-03 Primer. The maximum layer thickness may not be exceeded in case of two layer application. The second layer may not exceed the layer thickness of the first.

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 recognised architectural and engineering regulations.

LIMITATIONS

- Sikafloor®-200 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®-200 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.



SIKA LIMITED

Watchmead, Welwyn Garden City,
Hertfordshire, AL7 1BQ
Tel: +44 (0) 1707 394444
www.sika.co.uk