BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-300 Level

POLYMER MODIFIED CEMENTITIOUS FLOOR LEVELLING COMPOUND FOR 1-10 MM. C30-F7.

PRODUCT DESCRIPTION

Very low emission cement based self levelling compound for all substrates suitable for laying. For interior use. Sikafloor®-300 Level has a very low shrinkage and good self levelling properties.

USES

Sikafloor®-300 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 subfloor.

CHARACTERISTICS / ADVANTAGES

- For interior use
- Self levelling
- Suitable for application on subfloor heating systems
- Suitable for castor wheels loading with layer-thickness more than 1 mm according to EN 12 529
- Layer thickness 1-10 mm
- Can be pumped
- High level of hardness and strength
- Low porosity surface
- Very smooth application
- Good grindability
- Polymer modified
- Drying by hydration
- High levelling capacity of surface irregularities
- 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

- C30-F7 According to EN 13813. DoP no. 115041501 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 floor temperature.

TECHNICAL INFORMATION

Compressive Strength — EN 13892-2

Time	Temperature	Value
24 hours	+23°C	>24 N/mm²
7 days	+23°C	>33 N/mm²
28 days	+23°C	>43 N/mm²

Flexural Strength	28 days	> 7 Mpa (+20°C)	EN 13892-2

APPLICATION INFORMATION

Consumption	Approx. 1.5 kg/m²/mm.
Pot Life	Approx. 30 min. at +20°C
Waiting Time / Overcoating	**Sikafloor®-300 Level can be overcoated as follow:** ▪ Up to 5 mm after approx. 24 hours for all kinds of coverings ▪ Up to 10 mm after approx. 48 hours for all kinds 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.
- 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 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®-300 Level approx. 6.0 l water. Add Sikafloor®-300 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 pour out the levelling compound and spread using a smoothing trowel. Even surfaces are easily achieved with a suitable notched trowel. With the use it is usually not necessary to remove trowelling defects or to level more than once.
- In the case of higher layer-thickness, contact with vertical structures should be avoided by putting in a perimeter isolating strip.
- 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 product Sikafloor®-03 Primer when dry. 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.
- Carry out preparatory work - such as filling joints, evening out hollows and unevenness - using a suitable Sika sturdy 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 non-absorbent, smooth, sound substrates such as old water resistant adhesive residues, ceramic tiles, mastic asphalt screeds, insufficient sanded, prime with Sikafloor®-02 Primer or Sikafloor®-01 Primer (neat).
- 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 magnesia screeds (not xylolite) prime with Sikafloor®-02 Primer
- For Wooden substrates like e.g. Chipboard or OSB, protect against moisture with Sikafloor®-01 Primer (neat)(drying time 2 hours).

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®-300 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®-300 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 Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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 IRELAND LIMITED
Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland