

## PRODUCT DATA SHEET

# Sikafloor® Level PRO

## HIGH PERFORMANCE SELF-LEVELLING COMPOUND

### DESCRIPTION

Sikafloor® Level PRO is a high flow self-levelling & smoothing compound prior to the installation of flooring.

### USES

- Recommended underlayment for all commercial and domestic vinyls, carpets, timbers/laminates, tiles/stone
- Levelling of uneven concrete substrates during or after construction
- Interior applications
- Install 1 – 30 mm in one application

### CHARACTERISTICS / ADVANTAGES

- Very low VOC
- Very low shrinkage
- Simply mix & apply - No slaking or re-mixing required
- Able to be applied across large floor areas in a single application
- Non-combustible
- Good pot life and working time
- Pump or manual application - high flow

### PRODUCT INFORMATION

<b>Chemical Base</b>	Polymer modified cement compound
<b>Packaging</b>	20kg Bag - 48 bags per pallet
<b>Appearance / Colour</b>	Grey powder
<b>Shelf Life</b>	Nine (9) months in unopened, original packaging if stored as stated.
<b>Storage Conditions</b>	Bags must be stored off the floor. Avoid sitting bags in direct sunlight prior to application.

### TECHNICAL INFORMATION

<b>Compressive Strength</b>	1 day cure: >10 MPa 28 day cure: >25 MPa
<b>Flexural Strength</b>	28 day cure: > 4.5 MPa
<b>Reaction to Fire</b>	No hazardous combustion products are known
<b>Water Absorption</b>	Porous

### APPLICATION INFORMATION

<b>Mixing Ratio</b>	5 - 5.2 Litres of clean, cool water
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<b>Yield</b>	12 Litres - 4m <sup>2</sup> @ 3mm
<b>Layer Thickness</b>	1 - 30mm
<b>Ambient Air Temperature</b>	10°C - 35°C
<b>Pot Life</b>	~18 minutes @ 23°C
<b>Waiting Time / Overcoating</b>	Allow ~18 hours at 23°C prior to the application of floor coverings. Drying time is dependent on thickness of application, temperature, air flow & relative humidity. Increased air flow will help with drying speeds in cooler temperatures.
<b>Initial Set Time</b>	~65 Minutes @ 23°C
<b>Final Set Time</b>	~80 Min @ 23°C

## SYSTEM INFORMATION

<b>System Structure</b>	Subfloor - Primer - Sikafloor® Level PRO - Chosen Flooring
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## 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.

## LIMITATIONS

- Do not install Sikafloor® Level PRO over particle-board, hardwood floors, parquet floors or metal.
- Do not mix or apply Sikafloor® Level PRO in temperatures below 10°C and above 35°C and under hot and windy conditions.
- Keep product cool prior to mixing and do not leave bags in direct sun for extended periods.
- Protect from hot or strong winds for 12 hours after being applied to avoid rapid moisture loss leading to cracking or crazing.
- All construction/expansion joints in existing concrete must be reflected through Sikafloor product as soon as possible to do so - wet sawing is not recommended.
- Not recommended as a trafficable surface.
- Do not use on sloped surfaces that require drainage.
- Do not use in exterior applications.

## 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.

## APPLICATION INSTRUCTIONS

### EQUIPMENT

Heavy duty electric drill and mixing paddle (500 rpm) and a suitable sized mixing bucket/vessel.

## SUBSTRATE QUALITY / PRE-TREATMENT

Concrete floors should be fully cured, structurally sound, >20 MPa, clean, dry, and free of surface contaminants and dust. For example, concrete must be porous and accept water penetration. Test by lightly sprinkling water on various areas of the substrate. If water penetrates, then a good bond with a selected primer can be achieved. If water beads and fails to be absorbed by the concrete surface contaminants are present then loss of adhesion may occur. Contaminants that are present should be mechanically removed before installation. Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C and less than 35°C directly prior to application. Concrete must be free of efflorescence and not subject to hydrostatic pressure. If the concrete substrate has efflorescence or high moisture (RH) a Sika Moisture Barrier System should be considered. Contact your local Sika office for current system information.

### PRIMING

Internal Porous Priming: Sikafloor®-01 Primer.

<u>Substrate</u>	<u>Dilution</u>	<u>Waiting Time/Overcoating</u>
Normal absorbent substrate (cementitious screed, concrete)	1L Sikafloor®-01 Primer : 3 L water	~ 10 minutes
Calcium sulphate substrate (calcium sulfate screed, gypsum plaster)	1L Sikafloor®-01 Primer : 1 L water	~ 24 hours
Low absorbent substrate	undiluted	~ 2 hours

Refer to the most current local Sikafloor®-01 Primer PDS for full information.

Internal Non-Porous Priming: Sikafloor-014 Prep n Prime – undiluted/neat.

Note: When applying primer to a non-porous surface, use a paint roller and apply one thin even coat. Sika-

floor-014 Prep n Prime **must be completely dry** prior to applying cement compounds. Dry time 40+ min @ 23°C. Primer should be allowed to dry as recommended for the specific primer prior to the application of Sikafloor® Levelling Systems.

## MIXING

Mix the entire 20kg bag of powder with 5 - 5.2 Litres of clean, cool water. When applying above 20mm Sika® recommends 5L be added. Slowly add powder to the water while mixing with a suitable electric drill and mixing paddle. Thoroughly mix for 2 minutes to a lumpfree consistency. Not mixing for the recommended time or additional water may result in product irregularities and possible product failure.

## APPLICATION

Pour or Pump Sikafloor® Level PRO, then spread with a long handled gauged spreader to heights as required. Sikafloor® Level PRO will seek its own level during the first 15 minutes. For touch-ups, use a flat steel trowel.

## CLEANING OF TOOLS

Clean tools and equipment with warm water and detergent while the product is still uncured.

## 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.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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