

PRODUCT DATA SHEET

Sikafloor® Level TOP

CEMENT BASED SELF-LEVELLING & SMOOTHING COMPOUND

DESCRIPTION

Sikafloor® Level TOP is a high flowing self-levelling underlayment used to level concrete substrates prior to the installation of flooring.

USES

- Applied in combination with suitable materials from Sikafloor®, SikaBond® & Sikadur® ranges.
- Recommended underlayment for all commercial & residential floorcoverings
- Levelling of uneven concrete
- Suitable for new or old internal concrete substrates

CHARACTERISTICS / ADVANTAGES

- Very Low VOC
- Non-combustible
- Green star certified
- Great self healing properties
- Simply mix & apply - No slaking or re-mixing required
- Designed for large floor applications
- Good pot life and working time
- Pump or manual application
- Highly fluid

APPROVALS / STANDARDS

Green Star (VOC-SCQMD Rule 1168)

PRODUCT INFORMATION

Chemical Base	Polymer modified cement compound
Packaging	20kg Bag - 50 bags per pallet
Shelf Life	Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment.
Storage Conditions	Bags must be stored off the floor. Avoid sitting bags in direct sunlight prior to application.
Appearance / Colour	Grey powder

TECHNICAL INFORMATION

Compressive Strength	1 day cure – 14MPa 28 day cure – 29MPa
Flexural Strength	28 day cure – 5MPa
Water Absorption	Porous
Reaction to Fire	No hazardous combustion products are known

SYSTEM INFORMATION

System Structure

Porous Concrete	Moisture Barrier	Non-porous Surface
Sikafloor® 01 Primer or Sikafloor® Level Pro Primer	Sikafloor®-158 W Fast Barrier	Sikafloor®-14 Prep 'N' Prime
Sikafloor® Level TOP	Sikafloor®-14 Prep 'N' Prime	Sikafloor® Level TOP
Subsequent suitable materials	Sikafloor® Level TOP	Subsequent suitable materials
	Subsequent suitable materials	

APPLICATION INFORMATION

Mixing Ratio	5 - 5.2 Litres of clean, cool water
Yield	12L - 4m ² @ 3mm
Layer Thickness	1 - 30mm (neat) 10 - 50mm (bulked with 1-2mm aggregate)
Ambient Air Temperature	10°C - 35°C
Pot Life	18 Minutes @ 23°C
Initial Set Time	70 Minutes @ 23°C
Final Set Time	85 Min @ 23°C
Waiting Time / Overcoating	Allow 18 hours at 23°C prior to the application of impervious floor coverings. Drying is dependent on thickness of application, temperature, air flow & relative humidity. Increased air flow will help with drying speeds in cooler temperatures.

BASIS OF PRODUCT DATA

Manufactured in New Zealand.

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

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- Do not install Sikafloor® Level Top over wooden or metal substrates.
- Do not mix or apply Sikafloor® Level Top 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 and extremes of temperature for 12hrs 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® Level Top product as soon as possible to do so.
- Not recommended as a trafficable surface.
- Do not use on sloped surfaces that require drainage.
- Do not use in exterior applications.

CLEANING

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

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

- High speed heavy duty electric drill, mixing paddle & Suitable size bucket/vessel - 20L +
- Purpose built mechanical pump

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete floors should be fully cured, structurally sound, clean, dry (NZS 1884), and free of surface contaminants and dust for Eg. 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. Contaminates that are present should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. If the concrete substrate has efflorescence or high moisture (RH) and moisture sensitive flooring is being installed Sikafloor® Moisture Barrier System may be considered (Sikafloor®-158 W Fast Barrier + Sikafloor®-14 Prep N Prime + Sikafloor® Level Top). Contact your local Sika® office for further information.

PRIMING;

Internal Porous Priming

- Sikafloor® 01 Primer @ 1:1 - 1:2 - 1:3 with water
- Sikafloor® Level Pro Primer - undiluted (Neat)

Note: Correct amount of priming liquid should always be applied to the prepared substrate giving good penetration and film build. Thin applications may result in pinholing or debonding levelling compound from the substrate. Do Not Allow primer to pool while drying. On particularly porous (mechanically prepared) surfaces or where the initial prime coat absorbs immediately a second coat is recommended.

Average dry time ~20–30 min (per coat)

Internal Non-Porous Priming

- Sikafloor®-14 Prep N Prime – undiluted (Neat)

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

Sikafloor®-14 Prep N Prime Must Be Completely Dry (50 min+) prior to applying Sikafloor® products.

Chosen primer should completely dry 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. Slowly add powder to the water while mixing with a suitable electric drill and mixing paddle. 10kg of clean 1-2mm aggregates may be mixed with 20kg of Sikafloor® Level Top for bulking out purposes. Thoroughly mix at high speed for 2 minutes to a lump free consistency. Not mixing for the recommended time or additional water may result in product irregularities and possible failure.

APPLICATION

Pour or Pump Sikafloor® Level Top, then spread with a long handled gauged spreader to heights as required. Sikafloor® Level Top will seek its own level during the first 12 minutes. For touch-ups, use a flat steel trowel.

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.

Sika (NZ) Limited

85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz



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