

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®, SikaTite® & Davco® ranges.
- Recommended underlayment for all commercial & residential floorcoverings
- Levelling of uneven concrete
- Suitable for new or old internal concrete substrates

FEATURES

- Very Low VOC
- 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 with excellent flow

CERTIFICATES AND TEST REPORTS

Green Star (VOC-SCQMD Rule 1168)

PRODUCT INFORMATION

Composition	Polymer modified cement compound
Packaging	20kg Bag - 64 bags per pallet
Appearance and colour	Grey powder
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.
Density	1.24kg/m ³
Volatile organic compound (VOC) content	3 Grams per litre.

TECHNICAL INFORMATION

Compressive strength	1 day cure – 14MPa 28 day cure – 29MPa
Flexural-strength	28 day cure – 5MPa
Reaction to fire	No hazardous combustion products are known.
Water absorption	Porous

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

Yield	12L - 4m ² @ 3mm
Layer thickness	1 - 30mm (neat) 10 - 50mm (bulked with 1-2mm aggregate)
Ambient air temperature	10°C - 35°C
Mixing ratio	5 - 5.2 Litres of clean, cool water
Pot Life	18 minutes @ 23°C
Initial set time	55-95 minutes at 23°C & 50% relative humidity
Final set time	60-100 minutes at 23°C & 50% relative humidity
Waiting time to 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 Australia.

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 OF USE

- Do not install Sikafloor® Level TOP over particle-board, hardwood floors, parquet floors or metal. Sikafloor® Level TOP is only suitable for concrete 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® product as soon as possible to do so.
- Do not use on sloped surfaces that require drainage (wet areas).
- Do not use in exterior applications.
- Sikafloor® Level TOP is an underlayment and not designed to be left exposed. Apply a suitable floor covering over Sikafloor® Level TOP once the product has dried.

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 with stirrer attachment
- Suitable size bucket - 20Lt+
- Purpose built mechanical pump
- Multi-bag mixing station
- Personal protective equipment

SUBSTRATE QUALITY / PRE-TREATMENT

Concrete floors should be fully cured, structurally sound, clean, dry, 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;

- Refer to the primer product data sheet for additional specific instructions
- Chosen primer shall be completely dry prior to the application of Sikafloor® Levelling Systems

Porous Priming

- Sikafloor® 01 Primer @ 1:1 - 1:2 - 1:3 with water or
- 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)

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.

High Moisture Content Concrete Priming

- Sikafloor® 158 Fast Barrier followed by Sikafloor®-14 Prep N Prime
- Apply the Sikafloor®-158 Fast Barrier and allow to dry. Then apply a single coat of Sikafloor®-14 Prep N Prime and allow to dry prior to subsequent application of Sikafloor® Level TOP.

MIXING

- **Not mixing for the recommended time or additional water may result in product finish irregularities and possible failure.**
- **Only mix Sikafloor® Level TOP in full bags and not part bags.**

Single Bag 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. Thoroughly mix at high speed for 2 minutes to a lump free consistency.

When extending the Sikafloor® Level TOP with aggregate (bulking out purposes) add 10kg of clean 1-2mm aggregate with 20kg of Sikafloor® Level TOP and Thoroughly mix at high speed for 2 minutes to a lump free consistency.

Multi Bag mixing Station

Pre-measure the correct amount of water for the number of bags being mixed. Add the water to the mixing station then slowly add the powder to the water while mixing. Ensure the product is thoroughly mixed for a minimum of 2 minutes from the last bag added to the mixing station.

Pump Machine Application

Ensure pump machines are calibrated to avoid over watering of the mixture.

APPLICATION

Pour or Pump Sikafloor® Level Top, then spread with a long handled gauged spreader or trowel 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.

For best results use a spike roller as necessary.

CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water product the the material drying.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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 recommenda-

tions. 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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