

PRODUCT DATA SHEET

Sikafloor® Level Top

CEMENT BASED SELF-LEVELLING & SMOOTHING COMPOUND

DESCRIPTION

Sikafloor® Level Top is a cement based self-levelling & smoothing compound enriched with polymer additives.

USES

- Recommended underlayment for all Commercial & Domestic Vinyls, Carpets, Timber / Laminates, Tiles / Stone
- Levelling of uneven concrete substrates during or after construction
- Interior applications
- Install from 2 – 30mm in one application

ADVANTAGES

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

STORAGE AND SHELF LIFE

Unopened bags can be stored for up to 12 months in a cool, dry and Weather proof environment. Bags must be stored off the floor. Avoid sitting bags in direct sunlight prior to application.

PRODUCT DATA

Packaging	20kg Bag
Appearance	Grey

TECHNICAL DATA

Flow Time	15 minutes
Pot Life (ASTM C191)	20 minutes @ 23°C
Initial Set (ASTM C191)	50 Minutes @ 23°C
Final Set	60 Min @ 23°C
Walkable Hardness after Final Set	3 – 5 Hours
Compressive Strength (ASTM C109)	1 day cure – 16Mpa 28 day cure – 29Mpa
Flexural Strength (ASTM C348)	28 day cure – 5.5MPa

SURFACE PREPARATION

Concrete floors should be fully cured, structurally sound, 20Mpa +, clean, dry, and free of surface contaminants and dust for Eg. Concrete must 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. Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C & less than 35°C directly prior to application. For standard installations concrete must be free of efflorescence and not subject to hydrostatic pressure.

If the concrete substrate has efflorescence or high moisture (RH) and is above AS 1884 – 2012 standards a Sika Moisture Barrier System may be considered.

- Sika Green Concrete Moisture Barrier System
 - Sika Hydrostatic Concrete Moisture Barrier System
- Contact your local Sika office for further information

PRIMING

Internal Porous Priming:

- Sikafloor® 01 Primer – Mix ratio diluted 1:2 or 1:3 with clean water
- Sikafloor® Level PRO Primer - undiluted (Neat)

Note: Correct amount of primer should always be applied to the prepared substrate giving good penetration and film build. Thin applications may result in pinholing in finished surface 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 is absorbed immediately a second coat is recommended. Dry time 10 – 30 min (per coat)

Internal Non-Porous Priming:

- CTA™ Prep N Prime – undiluted (Neat)

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

Prep N Prime Must Be Completely Dry prior to applying cement compounds.

Dry time 20 – 40 min

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 5.1 - 5.2 Litres of clean, cool water. Slowly add powder to the water while mixing with a High Speed Heavy Duty electric drill and mixing paddle. Thoroughly mix for 2 – 3 minutes to a lump-free consistency. Additional water will cause irregularities with mix and may result in product failure.

HANDLING

Sika support best practice in material handling: Gloves, mask and protective clothing should be worn.

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 15 minutes. For featheredging and touch-ups, use a flat steel trowel.

COVERAGE

Neat: 20kg bag of Sikafloor® Level Top mixed with 5L of water will cover 4m² at 3mm thick, or equal 12L of product. Recommended build 2 – 30mm in one application.

Bulking: 10kg of clean 1.5 - 3mm aggregates may be mixed with 20kg of Sikafloor® Level Top. This mix ratio will cover 1m² at 17mm or equal 17L of product. Recommended build 10 – 50mm in one application.

Note: Do Not add additional water if using bulking aggregates.

DRYING

After final set Sikafloor® Level Top dries to a walkable hardness in approximately 3 - 5 hours at 23°C. Allow 18 - 20 hours at 23°C prior to the application of impervious floor coverings and wood flooring. Allow 10 - 12 hrs at 23°C prior to the installation of tiles. All times are dependent on thickness of Sikafloor® Level Top, temperature, air flow & relative humidity. Testing for moisture content before applying floorcoverings is recommended.

CLEANING

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

LIMITATIONS

Do not install Sikafloor® Level Top over lightweight concrete, particleboard, hardwood floors, parquet floors or metal. • 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. • Not recommended as a trafficable surface. • Do not use on sloped surfaces that require drainage • Do not use in exterior applications.

HEALTH AND SAFETY INFORMATION

Avoid contact with skin and eyes. Wear overalls, safety shoes, impervious gloves and safety glasses. Use only in well ventilated areas. No smoking. Avoid contact with foodstuffs, and sources of heat and ignition. Wash hands after use. Store in a cool place and out of direct sunlight. Store away from oxidising agents. Keep containers closed when not in use. Do not empty into drains. If involved in a fire use water, fog, foam or dry agents. Avoid breathing products of combustion. Clean up all spills immediately. Avoid contact with skin and eyes. Wear impervious gloves and safety goggles. Trowel up/scrape up and place spilled material in clean, dry, sealed container. Flush spill area with water. If poisoning occurs, contact a doctor or Poisons Information Centre: Australia - 13 11 26, New Zealand - 0800 764 766. Do not reuse container unless thoroughly decontaminated. See the Sika Material Safety Data Sheet (MSDS) for additional information. Contact 1800 033 111 (24/7) for emergency information. If swallowed, do not induce vomiting. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. Immediately irrigate with copious amount of water for 15 minutes if have come in contact with eyes. Eyelids to be held open. Urgently seek medical advice. If skin or hair contact occurs, flush skin and hair with running water and soap if available. Seek medical attention in event of irritation. If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. Seek medical advice if in doubt.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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. Project and system related warranties must be discussed prior to Sika products being installed. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request. The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Sika Australia Pty. Ltd. be liable to anyone except for replacement of the products or refund of the purchase price.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.