

Sikafloor[®] Level PRO

High performance, self-levelling compound for interior applications

Product Description

Sikafloor Level PRO is a self-levelling underlayment used to level a substrate prior to the application of commercial & domestic flooring. Sikafloor Level PRO can be applied from 0 – 50mm in one application and seeks its own level in minutes.

Uses

- Levelling new and old concrete substrates
- Underlayment for Sheet Vinyl, VCT, Carpet, Carpet Tiles, Timber, Laminate and various Tiles
- Interior applications
- Commercial & domestic situations

Advantages

- Very high flowing
- Extended set, designed for large floor area self levelling
- Great workability
- Long pot life
- Pump or manual application

Storage and Shelf Life

Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.

Product Data

Appearance / Colours Grey

Packaging 20kg units

Technical Data

Flow Time 30 minutes

Pot Life (ASTM C191) 45 minutes @ 21°C

Initial Set (ASTM C191) 2 hours @ 21°C

Final Set 3.5 hours @ 21°C

Walkable Hardness after Final Set 12-14 hours

Compressive Strength (ASTM C109)
1 day cure - 16MPa
28 day cure - 30.3MPa

Flexural Strength (ASTM C109)
28 day cure - 6.98MPa

Robinson-type Floor Test (ASTM C627) Extra heavy rating

Construction



Instruction for Use

Surface Preparation

Concrete floors should be fully cured, structurally sound, 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 insulation.

All Substrates should be moisture tested prior to the application of Sikafloor levelling systems and be within the parameters of AS 1884 – 2012.

If moisture content is higher than 5% by Sika tramex or 75% RH the application of SikaTite Moisture Seal 1k to the affected areas is recommended. See most current PDS for further information.

Ambient temperature, surfaces and materials should be maintained at temperatures higher than 10°C. Concrete must be free of efflorescence and not subject to hydrostatic pressure.

Priming

Internal Porous Priming:

- > Sikafloor 01 Primer - diluted up to 1:3 with clean water
- > Sikafloor Level PRO Primer - undiluted

Internal Non-porous Priming:

- > Sikafloor 01 Primer - undiluted

Internal Moisture Barrier & Primer:

- > Sikatite Moisture Seal 1K - undiluted

Primer should be allowed to dry as recommended for the specific primer prior to the application of Sikafloor levelling systems.

On particularly porous surfaces a mix ratio of Sikafloor 01 Primer 1:2 or 1:1 with clean water is recommended.

Refer to the latest PDS for the relevant primer prior to application.

Mixing

Mix the entire 20kg bag of powder with 5.2 - 5.4 litres of clean, cool water. When applying as a neat product above 20mm Sika recommends 5.2L be added. Slowly add powder to the water while mixing with a heavy duty 13mm electric drill and mixing paddle at 500rpm. Thoroughly mix for 2 minutes to a lump-free consistency.

Application Instructions

Application

Pour or pump Sikafloor Level PRO, then spread with a long handled gauged spreader to heights as required.

For self-levelling up to 75mm add 10kg of clean 2 – 5mm aggregates per 20kg of Sikafloor Level PRO. This mix ratio will approximately equal 16.5L of product.

Sikafloor Level PRO can be extended up to 1:1 with Sikadur 505 silica sand for use as a spot repair and ramping mortar.

Coverage

20kg bag of Sikafloor Level PRO mixed with 5.2 – 5.4L of water will cover approximately 4m² at 3mm thick, or equal 12L of product.

Drying

After final set Sikafloor Level PRO dries to a walkable hardness in approximately 12-14 hours at 21°C. Allow 24 hours at 21°C prior to the application of impervious floor coverings and wood flooring. All times are dependent on thickness of Sikafloor Level PRO, 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.
Notes on Application / Limitations	<p>Do not use Sikafloor Level PRO over lightweight concrete, particleboard, hardwood floors, parquet floors or metal.</p> <p>Do not mix or apply Sikafloor Level PRO in temperatures below 10°C and above 35°C and under hot and windy conditions.</p> <p>Not recommended as a trafficable surface</p> <p>Do not use on sloped surfaces that require drainage</p> <p>Do not use in exterior applications</p>
Health and Safety Information	<p>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.</p> <p>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.</p>
Legal Notes	<p>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.</p> <p>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. Sika Australia Pty. Ltd. guarantee this product for 12 years provided application is in accordance with manufacturers written directions for use and the relevant Australian Standard. The representations and recommendations regarding the products are based on tests which we believe to be reliable.</p> <p>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.</p> <p>PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.</p>

