

Sikafloor® Level Deep Fill

Quick drying, Cementitious Deep Fill underlayment

Product Description

Sikafloor Level DF is a self-smoothing underlayment with versatile flow characteristics.
Suitable for a variety of domestic and commercial applications.

Uses

- Levelling uneven concrete
- Filling of floor chases or floor grading (falls to waste) applications
- Under - tiles, pavers, stone, vinyls, carpets, timbers & laminates
- Floor preparation / rectification works from 10mm – 120mm

Advantages

- Fast Setting
- High strength screed to falls in wet areas
- Walkable in as little as 1 - 2 hours (depending on thickness and temperature)
- Installation of tiles possible after 4 – 5 hours
- Adjustable water demand
- Suitable in exterior applications when covered by Waterproofing and Tiles

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 Bags

Technical Data:

Flow Time 30 minutes

Pot Life (ASTM C191) 12 minutes @ 23°C

Initial Set (ASTM C191) 45 minutes @ 23°C

Final Set 1 hours @ 23°C

Walkable Hardness after Final Set 1-2 hours

Compressive Strength (ASTM C109) 1 day cure - 16MPa
28 day cure - 30MPa

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

Instruction for Use:

Construction



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 installation.

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

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 or Schonox VD - diluted up to 1:3 or 1:2 with clean water

> Sikafloor Level PRO Primer - undiluted

Note: On particularly porous (mechanically prepared) surfaces or where the initial prime coat is absorbed immediately a second coat is recommended.

Internal Non Porous Priming:

> Sikafloor 01 Primer or Schonox VD - undiluted

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

For further information refer to the latest PDS for the relevant primer prior to application.

In situations where a moisture barrier may be required speak to Sika representative for further recommendations.

Mixing

Adjustable water demand: For dry mix when creating high strength falls to waist or floor grading add 2.9L of cool clean water. For filling floor chasing or using as a deep fill levelling compound add 3.1L of cool clean water.

Slowly add powder to the water while mixing with a heavy duty 13mm electric drill at 500rpm. Thoroughly mix for 2 - 3 minutes to a lump-free consistency.

Handling

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

Application Instructions

Application

Apply mixed Sikafloor Level Deep Fill by bucket or pump and trowel, screed or gauge rake to the required heights and finish. Sikafloor Level Deep Fill can be applied from 10mm to 120mm thick in one application.

Coverage

20kg bag of Sikafloor Level Deep Fill will cover approximately 1m² at 12mm.

Drying

After final set Sikafloor Level DF dries to a walkable hardness in approximately 1- 2 hours at 23°C. Allow 4 – 5 hours at 23°C prior to the application of ceramic tiles or stone and 24 hrs prior to impervious flooring. Test for moisture content before applying vinyl or wood flooring. Drying time is dependent on temperature, air flow, relative humidity and bed thickness of Sikafloor Level Deep Fill

Cleaning

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

Notes on Application / Limitations

Do not use Sikafloor Level DF over lightweight concrete, particleboard, hardwood floors, parquet floors or metal.

Do not mix or apply Sikafloor Level DF 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.

Not recommended as a trafficable surface

Only suitable in exterior applications when covered by tiles and waterproofing.

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.

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.

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.

