

PRODUCT DATA SHEET

Sikafloor[®]-440 Level Fibre Reinforced

Heat-resistant, fibre reinforced self levelling compound

PRODUCT DESCRIPTION

Sikafloor[®]-440 Level Fibre Reinforced is a fibre and polymer reinforced, flexible, high strength cement based levelling compound, designed specifically for use with underfloor heating and for application over wooden floors. Once mixed with water, Sikafloor[®]-440 Level Fibre Reinforced produces a smooth self-levelling compound which dries to a tough flexible finish which may then be overlaid with most common floor coverings or left as a final wearing surface.

USES

- Embedment of underfloor heating.
- As a final wearing surface.
- Suitable for levelling/smoothing uneven floors.
- Suitable for covering existing concrete, sand/cement screeds, brick, stone, unglazed ceramic tiles, plastic sheet DPC, epoxy membranes and wooden floors.
- Internal and external use.

PRODUCT INFORMATION

Packaging	20 kg Sack
Appearance / Colour	Fine grey powder
Shelf Life	6 months from date of manufacture
Storage Conditions	This product must be stored in unopened bags clear of the ground in cool dry conditions. The use of this product after the end of declared storage period may increase the risk of an allergic reaction.
Abrasion Resistance	BCA Wear Resistance Class AR 0.5
Compressive Strength	25 N/mm ²
Flexural Strength	5 N/mm ²

CHARACTERISTICS / ADVANTAGES

- Rapid setting and may be walked on in 3 hours.
- Can be overlaid with ceramic tiles after only 4-5 hours at normal temperatures.
- Strong enough to accept light vehicular traffic.
- Can be overlaid with a suitable covering or used as a final wearing surface.
- Designed for the embedment of underfloor heating elements.

APPROVALS / STANDARDS

Conforms to EN13813 CT-F25-F5-AR0.5

APPLICATION INFORMATION

Mixing Ratio	20 kg of Sikafloor®-440 Level Fibre Reinforced mixed with 4.4 litres of clean water
Consumption	20 kg will cover approximately 2.4 m ² at a depth of 5 mm
Layer Thickness	2 mm - 30 mm
Ambient Air Temperature	+4 °C to +35 °C
Pot Life	20 minutes at +20 °C
Waiting Time / Overcoating	Will accept foot traffic in approximately 3 hours at 20 °C. Can accept floor coverings in approximately 4-5 hours. These setting times will be significantly extended at lower temperatures over low porosity subfloors.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Always mix with clean fresh water and always prime floors as directed.
- Always apply this product whilst primer coat is still damp.
- Never exceed the quantity of water stated. This will dramatically reduce strength and cause cracking.
- Do not mix more compound than can be laid in 20 minutes and never try to reconstitute once the product has set.
- On substrates where underfloor heating is in place, switch off the heating for 24 hours before, and until 24 hours after, application.
- Do not use this product below +4 °C.
- In areas where movement is anticipated, always use SikaBond® SBR diluted 1:1 with water rather than water. **NO OTHER MANUFACTURER'S PRODUCT MAY BE USED.**
- To avoid cracking/crazing, existing concrete screeds/asphalt/bitumen/bituminous coatings must be a minimum of 4 weeks old before overlaying with this product.
- As the manufacturer cannot know all the uses their products may be put to, it is the user's responsibility to determine suitability for use. If in doubt, contact Technical Services Department.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

Floors to be treated must be free from grease, dust and loose particles. Always prepare floors by dampen-

ing with water then priming with SikaBond® PVA+ or SikaBond® SBR diluted 1 part PVA/SBR to 3 parts water to give a sound, slightly damp surface. Deep depressions and holes should be filled with a suitable repair mortar and allowed to dry.

20 kg of Sikafloor®-440 Level Fibre Reinforced will require 4.2-4.4 litres of water. **DO NOT USE EXCESS WATER.** Always add the powder to water. This should be carried out by stepwise addition whilst stirring until a free flowing creamy compound is produced. Pour the mixture out into the prepared floor and allow it to find its own level. Trowel down lightly to achieve an overall thickness not exceeding 30 mm. Minimum thicknesses for a wooden substrate is 10 mm.

SAND/CEMENT RENDER

Allow at least four weeks drying before application. Dampen floors and prime with SikaBond® PVA+ diluted 1:3 with water. Mix with water as detailed above. For surfaces to be subjected to heavy foot traffic, use SikaBond® SBR diluted 1:1 with water rather than just water when mixing the powder.

TIMBER FLOORS

Floors must be securely screwed down at 300 mm centres. Apply SikaBond® SBR to the floor at a 1:1 dilution and apply to subfloor whilst the bonding coat is still tacky.

EXISTING VINYL TILES

Ensure tiles are clean and sound. Prime with SikaBond® SBR diluted 1:1 with water and apply floor level compound mixed with SikaBond® SBR diluted 1:1 with water over tiles whilst primer coat is still tacky. Allow 24 hours before applying final covering.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

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