SIKALEVEL® DEEP FILL

Product Description

SIKALEVEL® DEEP FILL is cement based smoothing and levelling compound used to level out uneven floors and screeds down to a depth of 50mm in one coat. SIKALEVEL® DEEP FILL is ideal for levelling very uneven floors prior to laying ceramic and thermoplastic tiles, lino, wood block flooring or carpet. When mixed as directed, the compound provides a free flowing/trowelable mix that sets in 3 hours and can be overlaid after only 12 hours at normal temperatures. NOTE: This product is not suitable for use as a final wearing surface.

Benefits

- Enhanced flow properties coupled with long open time giving easy trowelling.
- Can be overlaid after 12 hours (depending on depth)
- Up to 50mm in depth in one coat.
- conforms to EN13813 CT-C35-F7

Areas for Use

- For levelling uneven subfloors prior to covering/tiling

Limitations

- For internal use only.
- 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 under floor heating is in place, switch of the heating for 24 hours before and 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 MANUFACTURERS 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 its products may be put to, it is the user's responsibility to determine suitability for use. If in doubt, contact Technical Services Department.

Surface Preparation

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 below. 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

Suitable for interior floors only. Floors must be securely screwed down at 300mm 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.

Application

Floors to be treated must be free from grease, dust and loose particles. Existing concrete/asphalt screeds must be a minimum of 4 weeks old before applying this product. Always prepare floors by dampening with water then priming with SikaBond PVA diluted 1 part PVA to 3 parts water to give a sound, translucent, slightly damp surface. DO NOT ALLOW TO FULLY DRY and do not allow primer coat to "pond"

25kg of SikaLevel DEEP FILL will require 4.25 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. Mix for 3-5 minutes with a slow speed drill. Pour the mixture out on to the damp primed floor. Trowel down lightly to achieve a smooth surface texture and an overall thickness of between 1 and 50mm. Where further finishing is required, allow the surface to stiffen, usually ¾ to one hour after application, and lightly sprinkle with water and carefully trowel to produce a smooth appearance. Do not sprinkle excessive water or over trowel at this stage.

For areas where heavy loading and/or trafficking are anticipated on the final surface, mix SikaLevel DEEP FILL with Sikabond SBR diluted 1:1 with water. This will improve flexibility, adhesion and durability of the screed. The mixing ratio is approximately 25kg of powder to 5ltrs of the diluted Sikabond SBR. Again, prime the floor with SikaBond PVA+ diluted 1 part PVA to 3 water and apply whilst primer coat is still damp.

TIMBER FLOORS/EXISTING TILING/ASPHALT

Degrease and roughen up any glaze on existing tiling or asphalt prior to laying this product. Suitable for small areas (1m^2 max) over interior timber floors only. Timber floors must be securely screwed down at 300mm centres. In all cases, apply SikaBond SBR as a bonding coat to the floor at a 1:1 dilution with water. Mix SikaLevel DEEP FILL with Sikabond SBR diluted 1:1 with water (25kg of powder to 5ltrs of liquid) and apply to sub floor whilst the bonding coat is still tacky.

Overlaying times

	depth (mm)	Approx. time before covering (hours) @20`C/50% R.H
Application of Deepfill	5	12
	10	24
	20	72
	40	144
	50	168

Specific Data

Appearance	Fine grey powder
Application Temp	4°C to 35°C
Service Temp	-30 to 70°C.
Open Time	20- 30 mins @20°C
Thickness	2mm- 50mm
Setting Time	3 hours @20°C can be overlaid after 12 hours
Storage	Store at moderate temperatures. PROTECT FROM DAMP
Coverage	25kg will cover 3.1m^2 at 5mm depth.

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store at moderate temperatures. PROTECT FROM DAMP.

Shelf Life

Minimum 12 months when stored according to manufacturer's instructions.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.