

PRODUCT DATA SHEET

Sika® Level Deep Fill Levelling

THICK-BED LEVELLING AND RESURFACING COMPOUND

PRODUCT DESCRIPTION

Sika® Level Deep Fill Levelling is a 1-part, thick-bed cement-based smoothing and resurfacing compound for levelling out very uneven floors and screeds down to a depth of 50mm in one coat. It is typically used for levelling 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. Not suitable for use as a final wearing surface.

USES

- Levelling out very uneven floors prior to laying ceramic and thermoplastic tiles, lino, wood block flooring or carpet.
- For covering existing timber floors, asphalt and tiling.
- Suitable for use with underfloor heating
- Internal use only

CHARACTERISTICS / ADVANTAGES

- Deep filling up to 50mm in one application
- Suitable for use with underfloor heating
- Polymer modified with exceptional flow and levelling properties
- Trafficable in 3 hours
- Can be overlaid after only 12 hours
- Pot life 20-30 mins

APPROVALS / STANDARDS

Conforms to EN13813 CT-C35-F7

PRODUCT INFORMATION

Packaging	25kg sack
Appearance / Colour	Fine grey powder
Shelf Life	9 months from the date of manufacture.
Storage Conditions	This product must be stored in unopened bags clear of the ground in cool dry conditions and protected from excessive draught. The use of this product after the end of the declared storage period may increase the risk of an allergic reaction.
Thermal Resistance	-30°C to +70°C

APPLICATION INFORMATION

Consumption	25kg will cover 3.1m ² at 5mm depth.
Layer Thickness	1mm - 50mm

Ambient Air Temperature	4°C to 35°C	
Pot Life	20 - 30 mins at 20°C	
Waiting Time / Overcoating	Trafficable in 3 hours at 20°C Overlying times:	
	Depth (mm)	Approx. time before covering (hours) at 20°C/50% R.H
	5	12
	10	24
	20	72
	40	144
	50	168

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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".

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.

MIXING

25kg of Sika® Level Deep Fill Levelling 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.

APPLICATION

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 over

the final surface, mix Sika® Level Deep Fill Levelling 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 (1m² 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 Sika® Level Deep Fill Levelling 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.

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 underfloor heating is in place, switch off the heating for 24 hours before, and until 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.

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.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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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