



# 1050 FIBER

## TECHNICAL DATASHEET

Version: 2021-10-21

### PRODUCT DESCRIPTION

Bostik Fiber is cement based, fibre reinforced, self-levelling, pumpable, levelling compound for various subfloors like concrete, shipboard etc... The material requires a light mechanical smoothing with a toothed trowel to achieve a surface flat and smooth enough for floor covering.

### AREA OF USAGE

Bostik Fiber is suitable as a base for carpets like linoleum, PVC and rubber as well as for wooden floors, tiles and similar material in houses, bathrooms, offices, hospitals and schools. Fiber is well suitable for embedding electrical and waterborne under-floor heating. Fiber can also be used for floating floor constructions in dry areas. Usually, the final surface does not need any further treatment such as grinding or fine screeding. Recommended thickness is 6 - 50 mm. The product does not contain casein.

### WORKING INSTRUCTION

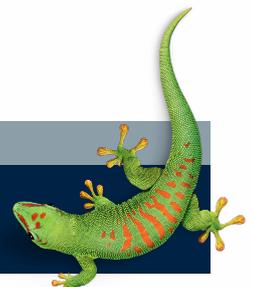
**Cleaning:** Make sure the subfloor is free from dust, dirt, paint, glue residues, oil and grease. It must also be sound and solid. Loose layers, surfaces with an unsatisfactory strength must be removed mechanically. The working surface temperature must not fall below +10°C. For best possible results, the working environment temperature should be between +10°C and +25°C. RH (Relative humidity) for the surface should not exceed 95%. **Pre-treatment:** Holes and leaks in the subfloor should be sealed. Floor drains etc. should be protected with lids and separated with stop ends. The surface must always be pre-treated with Bostik Primer 6000 to improve adhesion. The primer, diluted with water at the ratio 1:3, is applied using a brush on surfaces with normal absorption like concrete. On a highly absorbing surface, two applications are recommended, primer diluted with water at the ratio 1:5. Leave the primer to dry! **Mixing:** Fiber is mixed into clean water, recommended water amount is 19% (of dry powders weight) this corresponds to 4.75 litres / 25 kg sack. Mix well with a mixer or a drilling machine equipped with a whisk for minimum 2 minutes. The pot life is approx. 20 min. from mixing with water. The mixture temperature should be between +10°C and +20°C. The flow properties of the screed should be checked before and during application. When making a slope, reduce the amount of water by 0.5-1.0 litres. The use of excess water causes separation and weakens the strength of the screed surface. **Application:** The product is pumped or poured onto the surface in widths of 6-8 meters. The width is adjusted according to the pump capacity and thickness of the layer. Wider areas can be temporarily divided with stop-ends. Use a wide toothed steel trowel to assist the self-levelling process. When applying two layers, the first layer should be walk able and priming should be performed in between. **Flooring:** Drying of the screed prior to flooring depends on RH% of the subfloor, thickness of layer and the drying conditions. The surface is usually walkable after 2-4 hours and flooring is possible after 3 days in layers up to 50 mm if the temperature during the drying time is at least +20°C at approximately 50% RH and with a certain level of ventilation. Prior to flooring, the RH of the surface should be checked according to industry standard. Flooring is possible when the RH is below the acceptable value for the current flooring material according to the floor suppliers' instructions. NB: In case of intense sunshine, high temperature, strong ventilation or any other factor that could speed up the drying process, the surface must be protected from drying too fast. Dehumidifiers and hot air fans must not be used.

### SAFETY

The product contains cement and can cause irritation. Avoid inhaling dust and use facial protection. Should the product get into your eyes, rinse immediately with water for 15 minutes and seek medical help. For further information, please see material safety data sheet.

### CONTACT US

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## TECHNICAL DATA

Binder	Special cement blend
Ballast	Sand, 2.5 mm max.
Thickness	6- 50 mm (8 - 20 mm on concrete)
Pot life	20 minutes
Curing	Approx. 2-4 hours
Flooring	3 days in layers up to 50 mm, requires +20 C, max 50% RH and an exchange of air and when RH is below the acceptable value for the current flooring material
Material consumption	1.7 kg per m <sup>2</sup> and mm
Water demand	19 weight%, 0.19 liter per kg of screed
Flow (EN 12706)	140-150 mm
Application temperature	+10°C +25°C
Compression strength	30 MPa
Flexure strength	8 MPa
Adhesion to subfloor	> 1.5 MPa
Shrinkage, 28 days	< 0,5 .
Reaction to fire	A1f1 (EN 13501-1)
Cleaning	Water
Storage	6 months in a dry, cool environment
Surface tensile strength	> 1.5 MPa

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