

Self levelling screed 1010 Thick Flow

Product description

Bostik 1010 Thick Flow is cement based, self-levelling, pumpable, levelling compound for concrete subfloors indoors. The material requires a light mechanical smoothing with a toothed trowel to achieve a surface flat and smooth enough for floor covering.

Field of application

Bostik 1010 Thick Flow 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. Recommended thickness is 8 - 50 mm. The product does not contain casein.

Technical data

Binder	Special cement blend
Aggregate	Sand max 2,5 mm
Thickness	8 - 50 mm
Pot life	20 minutes
Curing	2 - 4 hours
Flooring	24 hours per mm thickness of layer or when RH is below the stated value for the flooring material
Material consumption	1,70 kg per m ² and mm thickness
Water demand	19 weight%, 0,19 liter per kg of dry product
Flow (EN 12706)	140 - 150 mm
Application temperature	+10°C – +25°C
Compression strength	25 MPa
Flexure strength	5 MPa)
Adhesion to subfloor	>0,5 MPa
Shrinkage, 28 days	< 0,5 ‰.
Reaction to fire	A1f1 (EN 13501-1)
Cleaning	Water
Package size	25 kg bag
Storage	6 months in a dry, cool environment and unopened package

Working instructions

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 temperature of the subfloor must not be below +10°C. For best possible results, the working environment temperature should be between +10°C and +25°C. RH (Relative humidity) for the subfloor should not exceed 95% at the time of application. The surface strength of the subfloor must not be below 0,5 MPa.

Pre-treatment: Holes and leaks in the substrate 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. Leave the primer to dry!

Mixing: Bostik 1010 Thick Flow 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 for minimum 2 minutes. The pot life is 20 min. from mixing with water. The temperature of the screed must be at least +10°C. The flow properties of the screed should be checked before and during application. The use of excess water causes separation and weakens the strength of the screed surface.

The technical data reported, as well as our instructions and recommendations, are based on several tests and on our experience. This is to help the consumer to find the most suitable working method and achieve the best possible results. When the consumer's working conditions is beyond our control, the Company cannot accept any responsibility for results achieved when using the product.

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 walk able after 2-4 hours and flooring is possible after 24 hours per mm thickness of layer if the temperature during the drying time is at least +18°C at approximately 50% RH and with a certain level of ventilation. Prior to flooring, the RH% of the surface should be checked.

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. Floor heating must be turned off for 28 days after the screed has been applied and then be turned on gradually.

User 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.

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