

SL C400 FIBER

FIBREREINFORCED LEVELLING COMPOUND FOR THICKER LAYERS

20/10/2022

BENEFITS

- Fibre reinforced
- Self drying for thicker layers
- Suitable for both slope levelling filling and smooth filling
- Application thickness 6-60 mm
- EPD verified
- Low emission levels
- Suitable for electric and water-borne underfloor heating



AREA OF APPLICATION

SL C400 FIBER is a cement-based, self-levelling and pumpable levelling compound. The product is intended as a substrate for carpets, linoleum, PVC, parquet flooring and tiles in homes, offices, hospitals, schools, etc. Normally provides a finished surface without the need for subsequent treatment.

The product is environmentally adapted and stable in terms of moisture damage.

The recommendations of the Swedish Flooring Trade Association (GBR) with regard to gluing must always be followed in terms of moisture, surface strength, etc. for the substrate. The product must be coated.

SUBSTRATE:

- Concrete
- Plasterboard
- Clinker/stone
- Wood and chipboard
- Suitable for electric and water-borne underfloor heating

*The drying times stated presuppose +20°C and max. 50% RH and a certain exchange of air as well as RH in the substrate of less than 85%.

TECHNICAL DATA

Mixing ratio	3,8 litres of water / 20 kg bag
Material consumption	1.7 kg/mm/m ²
Application time	Workable for up to 20 min
Can be walked on after	2-4 hours
Can be coated after	2-3 days up to 20 mm of thickness, 3-5 days in layers up to 60mm
Compressive strength	C30 in accordance with EN 13813
Bending tensile strength	F8 in accordance with EN 13813
Surface tensile strength	>1.5 Mpa in accordance with Swedish Flooring Trade Association (GBR) industry standard
Shrinkage	<0.3 mm/m in accordance with EN 13454-2
Expansion	<0.05 mm/m
Flowability	140 - 150 mm in accordance with SS 923519 (50x22 mm)
Fire class	A2fl-s1 in accordance with EN 13501-1
Resistance to rolling wheels	RWFC 250N in accordance with GBR industry standard
pH dried material	<11

INSTRUCTIONS FOR USE

PREPARING THE SUBSTRATE

For best work results, the temperature in the room should be between +10°C and +25°C

Cleaning: The surface strength of the substrate should be >1.0 MPa. Make sure that the substrate is free from dust, dirt, paint, adhesive residues, oil, grease, wax, etc. and that it is solid and hard without cracks on the surface or the like. Any sludge layer should be ground or milled away. If unsure, contact Bostik for further advice.

Preparation: For improved adhesion and to prevent quick drying-out, the substrate should always be pre-treated with Bostik GRIP A560 CLASSIC. The primer is applied to a normally absorbent substrate, diluted with water in the ratio 1:3. 2 treatments are recommended on more absorbent substrates. Use GRIP A936 XPRESS for clinker, stone, PVC, linoleum, wood, etc. The primer should be brushed into the substrate. Allow the primer to dry and a film to form before filling in! Apply the flooring compound within 24h. When applying 2 layers, priming should be carried out between the filler layers.

INSTRUCTIONS FOR USE

Mixing: Mix the levelling compound in a suitable bucket or in a larger dish (75-100 litres) with room for 3-4 bags. Add the 20 kg bag of powder to 3.8 litres of clean water. Mix with a whisk-fitted drill or turbine whisk to a lump-free and easy-flowing consistency (mixing time approx. 2 minutes). Use water +5 to +20°C.

Machine application: With machine application, use a suitable mixer pump. Adjust the volume of water to 20%. Check the volume of water with a flow test. At the correct volume of water, the flowability must be according to Technical Data. Also check with the flow test that the smoothing compound is well coherent and free from separation. In the event of gradient structures/surfaces, reduce the volume of water by 0.5-1.0 litre. The temperature of the levelling compound should be between +10 and +20°C.

Levelling: Check the slope and curvature of the substrate, if these deviate from the prescribed tolerance, the floor should be divided in an appropriate manner. Mark out extreme low and high points in particular. **Application:** The compound is pumped or poured out onto the substrate and then flows together to form a smooth and flat surface. Take into account the compound's working time in order to avoid ridges and unevenness. The material requires light mechanical finishing with a toothed steel putty to achieve a smoothness that is sufficient for carpet laying. The surface can normally be walked on after 2-4 hours and can be coated as follows: 2-3 days up to 20 mm of thickness, 3-5 days up to 60 mm of thickness **NB!** In case of solar radiation, high temperature, strong ventilation or other factors that can accelerate the drying, the surface must be protected against drying too rapidly. Neither a dehumidifier nor a heating fan should be used.

STORAGE

6 months in a dry, cool and unopened package.

ENVIRONMENT AND HEALTH

The product contains cement and is a skin irritant. All users must understand and use the safety data sheet before using the product. The safety data sheet is available on request and is available on the manufacturer's website

RECYCLING

Waste generation should be avoided or minimised whenever possible. Empty containers may retain some product residues. Product and packaging must be disposed of safely. Hire an authorised waste management company to dispose of surplus products and non-recyclable products. Disposal of this product must always be in accordance with the requirements of environmental protection and legislation for waste management. Avoid spreading spilled material, runoff, contact with soil, waterways and drains.

REMARKS

If necessary, delimit the floor surface with a shut-off strip. For optimum adhesion, install the shut-off strip after priming.

For more information, refer to Bostik's construction descriptions.

Article number	Packaging	Quantity per pallet	EAN
30622823	20 kg	48	7311020081355

SAFETY

For more information, see safety data sheets on:
www.bostik.se

Saving clause: The technical data we report, as well as our instructions and recommendations, are all based on a variety of tests and on our experience. They are intended to help the user achieve the best possible results. As the conditions at the user's premises are beyond our control, we cannot accept any liability for the results achieved when using the product.

BOSTIK SERVICE

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