



1070 GYPSUM

TECHNICAL DATASHEET

Version: 2018-10-18

PRODUCT DESCRIPTION

Floor-levelling compound Gypsum S21 is a gypsum-based, pumpable, self-levelling floor screed designed for the smoothing of indoor substrates in dry premises. Normally provides a finished surface without the need for subsequent treatment. Does not contain casein. The product complies with the requirements of HusAMA.

AREA OF USAGE

Gypsum S21 can be used on substrates like e.g. weak concrete, gypsum, anhydrite, asphalt, clinker, fibreboard and plasterboard, waterproof adhesive residues, etc. The product is coverable with carpet and sheets of linoleum, PVC, Polyolefin, rubber and parquet, clinker or similar materials in homes, offices, hospitals, schools, nurseries, etc. and is excellent for underfloor heating. The product may not be used on substrates with a risk of excessive moisture. If in doubt, please contact Bostik AB for guidance.

WORKING INSTRUCTION

Substrate: Make sure that the substrate is free from dust, dirt, oil, grease, wax, etc. and that it is solid and hard, without soft concrete, cracks on the surface or the like. Any sludge layer should be ground or milled away. The substrate must be dry (max. 85% RH) and must maintain at least +10°C. Electrical underfloor heating must be turned off and cold for at least 1 day. The underfloor heating can be turned on again after 1 week, and the temperature should then be increased gradually. Lower the temperature of water-based underfloor heating to 20°C before the substrate is levelled. The temperature can then be increased gradually after 1 week. **Priming:** For improved adhesion and to prevent quick drying-out, the substrate should always be pre-treated with Bostik Primer 6000. The primer should be worked into the substrate with a brush, on a normally absorbent substrate, diluted with water in the ratio 1:3. 2 treatments are recommended on more absorbent substrates. On clinker, stone, PVC, linoleum, particleboard, plasterboard, etc. the primer should be applied diluted in the ratio 5:1. Distribute the primer evenly over the substrate, and avoid the formation of puddles. The primer must be allowed to dry before screeding. Asphalt should be primed with an epoxy primer that is strewn with sand. Screeding should take place within 24 hours of priming. **Mixing:** Add 4.5-5.0 litres of water to 25 kg powder. Use a clean container without screed residues. The mixture is stirred with a whisk-fitted drill (approx. 600 rotations/min.) until a lump-free and easy-flowing consistency is achieved. Use water +10 to +20°C. The temperature of the compound should be between +10 to +20°C. The smoothing compound may not be mixed with other screeds. **Application:** Before applying the smoothing compound, it is recommended that the substrate be measured for undulations and the levels marked in an appropriate manner. The compound is pumped or poured onto the substrate in sections. Each new section should be added to the previous one as quickly as possible. Smooth out the compound during this process in an appropriate manner, e.g. with a toothed trowel. Adapt the length of the sections of compound to the mixing pump's capacity and the application thickness. An appropriate length for each section of compound is approx. 8 m. Use Bostik dividing strip to divide up the sections. When applying 2 layers of compound, the first layer should always be primed. Wait at least 12 hours before priming, and check that the surface of the smoothing compound is dry so that the primer can be adsorbed into the substrate. The primer must be allowed to dry before the next layer of compound is applied. **PLEASE NOTE!** With sun exposure, high temperature, strong ventilation or other factors that can accelerate the drying process, the surface should be protected against drying too quickly. **Covering:** Always check that the smoothing compound is dry before laying carpet. The recommendations in HusAMA can be used as a benchmark. For moisture-sensitive floor coverings, e.g. wooden floors, always follow the manufacturer's directions.

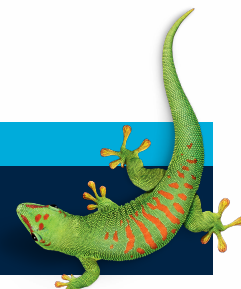
SAFETY

The product is not subject to mandatory labelling requirements. For additional information, please refer to the product's safety data sheet.

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Disclaimer: The technical data we present, as well as our instructions and recommendations are all based on a variety of tests and our experience. They are intended to help the user to find the most suitable working method and get the best possible results. Since the users working conditions is beyond our control, we cannot accept any responsibility for the results obtained by the product.

TECHNICAL DATA

Adhesive	Gypsum
Aggregate	Natural sand, max. 0.25 mm
Application thickness	1-20 mm
Water volume	18 - 20%, 4.5 - 5.0 litres/25kg
Working temperature	Between +10 °C and +25 °C
Application time	20 min after mixing at +20 °C
Walk on time	After approx. 3 hours at min. + 20°C
Coverable	After 1 day for application thickness up to 3 mm, then add 1 day's drying time for each additional mm of application thickness. Presupposes +20°C and 50% RH and a certain exchange of air
Consumption	1.60 kg/m ² and mm (according to GBR)
Flowability	160-170 mm (SS 923519)
Flexural strength	F8
Adhesion strength	> 1.5 MPa
Surface tensile strength	> 1.5 MPa
Resistance to rolling chair wheels (GBR std.)	RWFC 250N
Shrinkage	0 □
Own emissions	Ecode EC 1
pH in dried-out screed	approx.: 9
Shelf life	9 months in a dry and cool location in unopened packaging
Packaging	25 kg bag
Cleaning	Tools, etc. should be cleaned immediately with water.

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