FIRE BOND GAP SEAL+

TECHNICAL DATASHEET

Version: 2018-04-09

PRODUCT DESCRIPTION

Gap Seal+ is a fireproof, water-based acrylic fire grouting compound. Independently tested in accordance with EN 1366-3: 2009 and EN 1366-4: 2006 and provides up to 4 hours of fire resistance in the tested material combinations together with a designated fire sealant. Fire performance classified in accordance with EN 13501-2. The product is part of a product system that has been documented and tested in accordance with ETAG 026 (part 2 and 3) and CE marked for use as firefighting foam. The system is also certified by UL (Underwriter Laboratory).
Sound deadening properties for indoor use for sealing linear grouts in walls, floors, around doors and around pipes and cables. Always consult Bostik's collection of tested structures before using the product. The product contains no environmentally harmful substances or phthalates and is indoor environment classified according to Finnish M1 requirements.

AREA OF USAGE

Typical areas of use in indoor environments are common expansion grouts (max. +/- 15% movement) in concrete and masonry or floor joints as well as plasterboard walls. Sealing of gaps between light walls/module walls and the bearing frame when there are requirements for fire resistance and restrictions for sound propagation between spaces. Sealing between fire retardant doors, window sections in walls, etc. in fire-class structures. Sealing around metal pipes (steel and copper) of varying diameter and a number of standard cables in wall and floor structures for openings max. 400x300 mm. The surface of the grout can be coated with water-based dispersion paint when the grout is thoroughly dry. For other paint types, conduct a paint test.

WORKING INSTRUCTION

Always consult Bostik's fitting instructions for different fire grouts before starting work. The dimensional fire resistance is always determined by factors such as the depth of the separation structure, the depth of the grout, the width of the grout as well as the type and amount of fire sealant. For safe and simple work, use Bostik Fire Bond Backing Wool where fire sealant wool is indicated. In some structures, a PE retainer strip is indicated as a bottom material.
For movement absorbing grouts, a maximum grout width of 25 mm is recommended. The ratio between grout depth and grout width should be at least 1:1 for movement absorbing grouts or at least according to the specified grout depth in Bostik's fitting instructions for fire structures. The consumption of the grouting compound is calculated: grout width (mm) x grout depth (mm) x grout length (meter) divided by 300 (for 300 ml cartridge) or 600 (for 600 ml for tube).
The surfaces must be dry and clean and free from grease to ensure proper adhesion to the substrate. Start by opening the cartridge or the tube with a suitable cutting tool/knife. Screw the nozzle and cut off the top at a 45 degree angle. Adjust the opening to the width of the joint opening. For narrow grouts, apply the grouting compound to the substrate at such a rate that you can check that adhesions with the substrate is good. The grouting compound should fill the entire joint opening attached to the sides of the joint. This is especially important when the grouting compound is used on vertical surfaces or in ceiling/wall angles. Smooth off the grout with a suitable tool so that the surface becomes smooth and that the grouting compound sticks to the side of the grout. Use Bostik grouting pins or a trowel to smooth out the grout.
For larger areas where the grouting compound is used for spraying a surface, apply the grouting compound to the bottom part of the surface and smooth out the compound with a trowel and soapy water.

SAFETY

The grouting compound fulfils stringent requirements with regards to the environment and health and safety at work and emits low levels of emissions. For further information, always consult the relevant safety data sheet before using the product.



CONTACT US

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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.

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TECHNICAL DATA

Properties before application	
Material type	1-component acrylic dispersion
Setting system	Evaporation of water
Density	1.63 kg/l
Colour	Off-white (closest colour match S0502-Y)
Storage temperature	Frost-sensitive, limit to +5°C to+30°C
Properties after application	
Operating temperature	+5°C to +40°C
Temperature resistance	Temporarily -20°C to +75°C
Skin formation time	15-30 minutes depending on the climate of the room
Can be painted over after	After completely dried grout for the best result without forming cracks. Use water-based dispersion paint. For other paint types, conduct a test.
Completely dry joint	5-15 days for grout dimensions 20x15 mm depending on the climate of the room. Shorter times for narrow grouts.
Hardness	30 Shore A
Movement absorption ability	±15% of the original joint width
Resistance class	Class Z1 in accordance with ETAG 026/EOTA TR024
Climatic conditions for resistance	Indoor use in the temperature range -10°C to +70°C, but increased humidity level.
Outdoor use	No

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