



# FP403 FIRESEAL HYBRID

## PROFESSIONAL GRADE FIRE RESISTANT HYBRID SEALANT

Date: 28 June 2022

Fact Sheet No.: TDS02213

### YOUR SMART ADVANTAGES

- Fire resistant up to 4 hours.
- High modulus
- High sound Insulation
- Excellent UV and weather resistant.

### DESCRIPTION & USES

BOSTIK FP403 FIRESEAL HYBRID is a professional grade 1-component fire resistant sealant, developed for fire resistant sealing of connection and expansion joints in construction, which in case of fire, should have a certain fire resistance and prevent spread of fire, smoke and toxic gases.

Suitable for up to 4 hours of fire resistant sealing of linear joints including wall/ceiling and wall/floor connections. BOSTIK FP403 FIRESEAL HYBRID is high modulus, high sound insulation, UV and weather resistant, flexible and paintable and suitable for interior and exterior use.

BOSTIK FP403 FIRESEAL HYBRID demonstrates good adhesion to a wide range of construction materials. It is certified for horizontal joints, connection floor/ceiling with wall, wooden and steel frames, stony substrates and all metal-stud applications.

Meeting the requirements of BS EN 1366-4 for up to 240 minutes in a joint of up to 30 mm wide. BOSTIK FP403 FIRESEAL HYBRID is also sustainable with low VOC.

Ensure that you choose the correct fire resistance for your application by consulting the classification and test reports.

### PRODUCT CHARACTERISTICS

Colour	White & Concrete Grey
Form	Soft gunnable paste
Odour	Slight
Composition	Hybrid Polymer
Product Code	30623574 White 290ml x 12 30623576 Grey 290ml x 12
Storage/Shelf Life	Up to 18 months.*

### TYPICAL IN HOUSE PERFORMANCE DATA (Approx.)

100% modulus	0.5 N/mm <sup>2</sup>
Application rate	115 g/min
Application Temperature	+5°C to +40°C
Curing time	2-3 mm/24 hours
Shore A hardness	24
Density	1,48 g/ml
Elongation at break	350%
Flow	<2 mm
Joint movement	25%
Skin formation	10 mins @ +23°C/50% RH Always tool sealant within the given skin formation time frame
Service Temperature	-20°C to +120°C

Tensile strength	0.96 N/mm <sup>2</sup>
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## DIRECTIONS FOR USE

IMPORTANT: Before using BOSTIK FP403 FIRESEAL HYBRID refer to the relevant Health & Safety Data Sheet, available at [www.bostik.com/uk](http://www.bostik.com/uk)

## STORAGE CONDITIONS

\*Store for up to 18 months from Production date when stored in original, unopened packaging under cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost.

## PREPARATION

1. Work in warm (+5°C to +40°C) well-ventilated conditions.
2. Ensure you have all necessary materials required.
3. Joint surfaces must be clean, sound and free from dust, loose material and other contaminants that may impair adhesion.
4. Very porous substrates like: gypsum, aerated concrete, limestone, etc., need to be primed before application. Always test adhesion prior to application.
5. If desired, place masking tape along the joint edges before application. This can make it easier to make a neat, tooled finish and not contaminate nearby surfaces. Use a spatula with a round end to tool the sealant and check that it fits into the gap between the masking tape so that it catches the excess sealant.
6. Do a test run without applying any sealant to 'get a feel' for the difficult areas to seal such as corners and raised joints.

## APPLICATION

1. Unscrew the nozzle, and using a sharp knife, carefully cut off the dome of the cartridge, taking care not to damage or shorten the thread. Screw the nozzle onto the cartridge.
2. Cut off the tapered end of the nozzle at a 45° angle, to a width matching the gap to be sealed.
3. Fit the cartridge into the cartridge gun by pressing the release plate and pulling out the plunger. Insert cartridge and repeatedly squeeze the trigger until the sealant appears.
4. Place the nozzle at the start of the gap, and gently squeeze the trigger. Push forward slowly, ensuring that contact is made by the sealant with both sides of the gap. At the end of the run, release the trigger and press the plunger release plate of the gun to stop the flow of material.
5. A joint with the correct dimensions is essential to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width.
6. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10mm is 1:1, with a minimum of 5 mm in width and depth.
7. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm.
8. Within the working time of the product smooth the sealant with a wet, round ended tool (do not use a wetted finger), remove any excess with a wet cloth and then remove the masking tape (if used) from either side of the bead.
9. After use, ensure to wipe away any excess sealant from the nozzle. Replace the cap if appropriate.
10. The sealant skins over (approx. 10 minutes) and cures through approx. 2-3 mm/ 24 hours depending on bead width, temperature and humidity.

## CLEANING

### Uncured Sealant:

Excess uncured sealant should be removed mechanically using a soft scraper. The remainder can be removed using a cloth just moistened with water. Repeat using another clean cloth moistened with water.

### Cured Sealant:

Carefully cut away excess with a very sharp knife. Do not use solvent to remove product from skin – use soap and water on tools and hands

## PAINTABILITY

Bostik FP403 FIRESEAL HYBRID is paintable with water based and synthetic paints when fully dry in small dimension joints. At wider joints cracking in paint can occur. We recommended testing compatibility with paint prior to application.

## PRECAUTIONS IN USE

Do not use under constant water immersion.

Do not use on or against bitumen, soft plastic or rubbers.

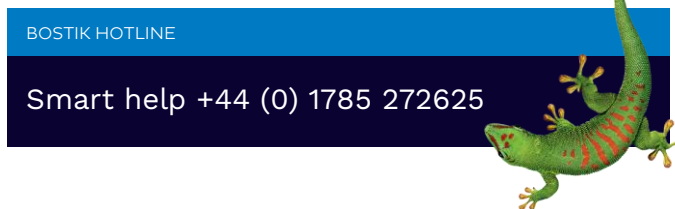
Not suitable for bedding double glazed/insulating glass units into frames.

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.com/uk](http://www.bostik.com/uk) for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instructions, first aid measures and spillage and disposal instructions see separate Health and Safety Data Sheet for BOSTIK FP403 FIRESEAL HYBRID, available at [www.bostik.com/uk](http://www.bostik.com/uk)



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