

BOSTIK FIREBAN ONE

FIRE RATED POLYURETHANE JOINT SEALANT



PRODUCT DESCRIPTION

Bostik Fireban One is a one component, low modulus, polyurethane sealant curing via air humidity to form a soft, elastic, fire rated, weatherproof seal.



APPROVALS & STANDARDS

- FIRE TEST CERTIFICATION
AS 1530.4-2014, AS4072.1 and BS476-20 REF: CSIRO FLO 1785 and BOS S.02.
- CSIRO RILEM LONG - TERM SEALANT DURABILITY STUDY DBCE
Doc. 97/196 (M)
- ISO 11600-Class F-25LM.
- APPROVAL AS A LOW MODULUS EXTERNAL JOINT SEALANT
DIN 18540 (German) and SNJF (French)
- EXTERNAL JOINT SEALANT
ASTM C.920-87 & 98 (USA) as Type S, Grade NS, Class 25, use NT, G, A, M, & O
- WATER POTABLE AS4020
- RESISTANCE TO FUNGAL GROWTH AS1157-1972
- BOMBA MALAYSIA Approved
- TUV SUD PSB SINGAPORE Approved



ADVANTAGES

- High durability
- Excellent weathering resistance
- Can be painted over
- Excellent acoustic ratings (up to 45 STC)
- 50% total joint movement
- Australian made
- Non-staining
- Does not support fungal growth



AREAS OF APPLICATION

For sealing joints where a high performance fire rated sealant is required in areas such as :

- Penetration and core hole sealing in conjunction with fire collars or pillows.
- Expansion and construction joints in precast, insitu concrete, block and brick work.
- Marble, granite, GRC, CFC facades and external cladding.
- Intumescent sealing.
- Acoustic jointing.

Note : The product's design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and Project Manager.

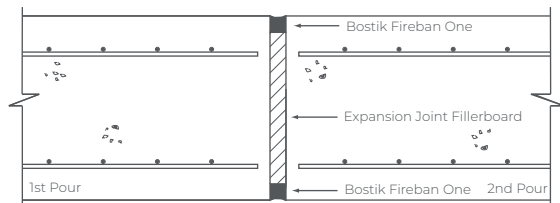


PHYSICAL PROPERTIES

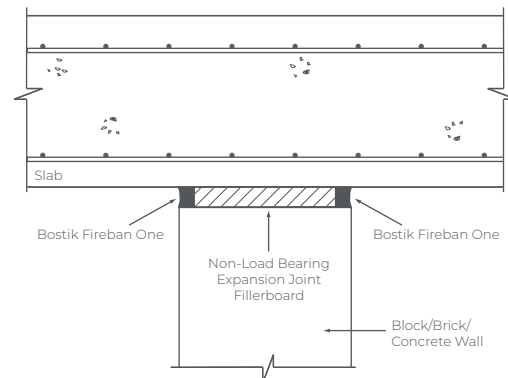
PROPERTIES	VALUES
Colours	Limestone
Viscosity	Non-sag, smooth thixotropic paste
Cure method	Moisture curing
Chemical resistance	Dilute acids, alkalis and some solvents. Intermittent contact with petroleum and diesel.
Application temperature	+5°C to +35°C
Service temperature	-40 to +70°C
Tack free time	6 - 12 hours
Cure rate	2mm/24 hours on porous substrates
Full cure	7 days on porous substrates.
Specific gravity	1.45 g/ml
Shore A hardness	30
Tensile strength	> 1.3 N/mm ²
Elongation at break	> 900%
Total joint movement	± 25%
Maximum joint width	Up to 50mm



TYPICAL APPLICATIONS



WALL APPLICATION



NON-LOAD BEARING WALL TO SLAB JOINT

Note : The product's design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and Project Manager.





INSTALLATION PROCEDURES

SURFACE PREPARATION

Clean and dry all surfaces by removing foreign matter and contaminants such as laitance, oil, dust, grease, frost, water, dirt, old sealants, curing agents and any protective coating. Dust and loose particles should be vacuum cleaned.

PRIMING

Priming of all surfaces is recommended to achieve stated performance properties. DO NOT USE METHYLATED SPIRITS OR TURPS.

APPLICATION

Apply **Bostik Fireban One** in a continuous operation using enough pressure to properly fill the joint. Tool off the surface of the sealant with an appropriately sized spatula or trowel. Apply sufficient pressure to leave a smooth, consistent surface and ensure maximum contact with the interface of the joint.



COVERAGE

The estimated lineal metre yield per pack size is recommended in the following table. No allowance has been made for waste or irregular joint geometry.

JOINT SIZE (D x W)	10mm x 10mm	20mm x 10mm	40mm x 20mm	50mm x 25mm
600ml Sausage	6	3	0.75	0.48

Note: Calculation based on theoretical coverage. Actual material consumption at site will vary depending on the condition of the joints and wastage etc.



LIMITATIONS

Not recommended for:

- Use in chlorinated water such as swimming pools, spas etc.
- Use on any material containing bitumen
- Constant immersion in salt water
- Use in glazing applications
- Application to cement based substrates within 28 days of initial pour or set
- Use in trafficable joints greater than 10mm in width
- Application at temperatures below +5°C or above +35°C
- Exposure to water and/or alcohol before it has completely cured
- Wet tooling techniques, such as soapy water
- Application in less than 6mm in width and depth



STORAGE & SHELF LIFE

Store in cool (between +5°C to +30°C) dry, well-ventilated area out of direct sunlight. Store away from oxidizing agents and acids. The shelf life is up to 12 months in un-opened condition and if stored as per recommendations.





HEALTH AND SAFETY INFORMATION

As with all construction chemical products caution should be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

In confined spaces or in still air conditions, the use of a ventilation fan or suitable respirator should be used, and the advice and approval of the Site Safety Supervisor is essential. For further information or advice on health and safety precautions, safe handling, storage and correct disposal of products, please refer to the most recent product Safety Data Sheet (SDS), which is available upon request.



DISCLAIMER

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability of, or fitness for, particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. The Company also has no express or implied knowledge of any particular purpose for which the product is required and any such information given will not be taken into account in the supply of this product. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. The information contained in our brochure may change at any time without notice. Any use of this product, **Bostik Fireban One**, in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

Effective Date: 05 APRIL 2022

CORKJOINT (MALAYSIA) SDN BHD 383102-H

📍 No. 51, Jalan BRP 8/2, Bukit Rahman Putra Industrial Park, 47000 Sungai Buloh, Selangor, MALAYSIA

☎ +603 6148 8010

📠 +603 6148 8020

CORKJOINT (SINGAPORE) PTE LTD 200716724-K

📍 No. 10 Buroh Street #02-26 & 27, West Connect Building, SINGAPORE 627564

☎ +65 6455 9331

📠 +65 6455 8535

