



Fireban One

ONE PART FIRE RATED POLYURETHANE SEALANT

DESCRIPTION

Bostik Fireban One is a one component fire rate polyurethane sealant. It is a fire rated, component, low modulus polyurethane sealant, curing via air humidity to form etastomeric weather proof fire rated seal.

FEATURES AND BENEFITS

- High durability
- Excellent weathering resistance
- Can be painted over
- Non staining
- 50% total joint movement minimum
- Australian made
- Acoustic joint sealing
- Fire rated up to 4 hours

RECOMMENDED USES

- Sealing joints in expansion and construction joints in precast
- Sealing joints in insitu concrete block and brick work
- Penetration and core hole sealing in conjunction with fire collar or pillow or in areas requiring intumescent sealing
- Sealing acoustic joining

SURFACE PREPARATION

Bostik Fireban One is available in 600ml sausage.

APPLICATION INSTRUCTIONS

Joint Design: Refer to Fire Test Certification in relation to correct depth/width ratio configuration. Back up materials impregnated with oil or bitumen materials are not to be used. Adhesion between the back up material and sealant must not occur because the excessive stresses exerted on the product may cause failure of the sealant.

Preparation: Clean and dry all surfaces by removing foreign matter and contaminants such as oil, dust, grease, frost, water, dirt, old sealants and any protective coating. Dust and loose particles should be blown out of joints or vacuum cleaned. Non porous surfaces may require preparation/priming, refer primer selection guide. Cleaning solvents should not be allowed to dry or evaporate without being wiped with a clean, dry cloth.

Priming: Priming is optional but for maximum performance on porous surfaces and in all immersed



applications use Bostik N49 Primer, 5077 cleaner/N40 primer is recommended for non porous surfaces.

MIXING

No mixing is required for Bostik Fireban One

COVERAGE

The coverage below is the approximate linear meter coverage per pack size (600ml sausage)

Calculation formula $W \times D \times L = \text{Liters } 1000$

W= Width (mm) D= Depth (mm) L= Length (meters)

Size	5mm x 5mm	10mm x 10mm	20mm x 10mm
600ml	16.7	6	3

APPROVAL STANDARDS

- AS1526-1973
- ASTM C920-1986
- BS4254-1983
- Fire Test Certification to AS1530-4 (1990) AS4072-1 (1992) and BS476-20 (1987)
- Acoustic Certification to BCA Standards
- BOMBA Approved (Malaysia)
- SISIR Approved (Singapore)

JOINT SEALING HINTS

- Prime prior to the installations of the backing rod
- Always use backing rod for correct sealant geometry
- Ensure maximum adhesion to bond face and width to depth ratio of 1:1 to 12mm and 2:1 from 12-50mm
- Tool sealant to achieve concave shape

PERFORMANCE PROPERTIES

Typical properties after 7 days cure 25 C and 50% RM

Appearance	Non-sag thixotropic paste
Color	Limestone
Chemical Type	Polyurethane
Chemical Resistance	40°F - 100°F
Shore A Hardness	30 approx.
Chemical Resistance	Resistance to dilute acids, alkalis and some solvents
Tack free time	6-12 hours
Tensile strength	> 1.2N / mm ²
Temperature resistance	-40°C to + 70 C
Application resistance	+5°C to 35°C
Elongation at break	> 900 %

*Average laboratory values provided as a general guide

**Actual field performance will depend on installation and site conditions

PRECAUTION

- Bostik **Fireban One** sealant should not be applied with wet tilling techniques using solvents, water or detergent/soap solutions are not recommended
- Bostik **Fireban One** sealant should not be applied to surfaces with special protective or cosmetic coatings
- Without prior consultation with the manufacturer. Such surfaces include, but are not limited to, mirrors, reflective glass or surfaces coated with Teflon polyethylene or polypropylene
- Bostik **Fireban One** sealant should not be applied to unpredictable absorptive surfaces such as marble, limestone or granite unless a standard of appearance has been agreed on as a result of testing for stain and discoloration
- Bostik **Fireban One** sealant cures via are humidity. Bostik **Fireban One** can be affected by water before or during cure. The sealant should be stored, applied or cured in areas where unusually high humidity or free water are present during the application or initial cure
- Bostik **Fireban One** should be allowed to cure for 14 days or longer (depends on thickness) prior to subjecting to an intermittent or continuous head of water.

P.A.T.S. (Pretested Adhesion to Substrates) Programme

Bostik offer a service in which a program has been established to eliminate potential field problems by pre-testing Bostik adhesives with samples of building materials to which the adhesive will be applied. This service is available on large project where pre-application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

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HEALTH AND SAFETY

On contact, uncured sealant causes irritation. Gloves and protective goggles must be worn during application

- Avoid contact with skin, eyes and avoid breathing in vapor
- Wear protective gloves when mixing or using
- If poisoning occurs, contact a doctor
- If swallowed, do not induce vomiting. Drink water
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes and see a doctor
- For more detailed information refer to Material Safety Data Sheet

CLEAN UP

Clean up uncured material and equipment immediately after use using Bostik 9907 or other equivalent solvent. Do not use solvents on skin.

STORAGE

Store between 5°C and 30°C. Shelf life is two years in original unopened sausage.

BOSTIK FIREBAN ONE

ITEM NO.	STOCK SIZE
224200	600ml (860g) SAUSAGE LIMESTONE

DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

BOSTIK HOTLINE

Smart help +63 2 900 5656

