FIREPRO
FIRE PROTECTIVE BUILDING PRODUCTS

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CI/SfB
M708 DATASHEET - AUG08

Product specifications can change. Contact us to ensure you have our latest datasheet

M708 BOSTIK FIREBAN

Description
A fire rated, single component, polyurethane sealant curing via air humidity to form a elastomeric weather proof fire rated seal. It is available in 600ml flexible packs ("sausages").

Recommended Uses
- Sealing joints in expansion and construction joints in precast concrete.
- Sealing joints in insitu concrete, block and brick work.
- Penetrations in areas requiring intumescent sealing.
- Sealing acoustic jointing.

Features & Benefits
- 15 year durability
- Excellent weathering resistance.
- Can be over-painted.
- ±25% total joint movement.
- Acoustic ratings up to STC 45.

Performance Properties
Typical properties after 7 days cure at 25℃ and 50 % RM.

Appearance	non-sag thixotropic paste
Colour	Limestone
Chemical type	Polyurethane
Chemical Resistance	Resistant to dilute acids, alkalis, and some solvents
Tack Free Time	6-12 hours
Tensile Strength	>1.3 N/m.m2
Temperature Resistance	-40℃ to + 70℃
Application temperature	+5℃ to +35℃

Coverage
The coverage is the approximate lineal metre coverage per pack size (600ml sausages).

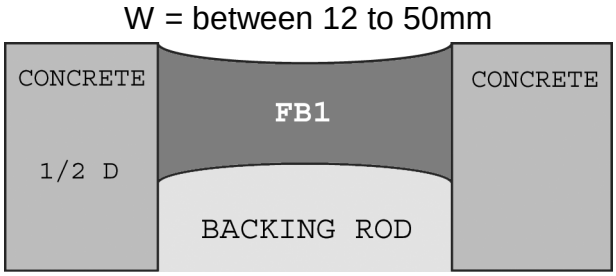
Size	6mm x 6mm	10mm x 10mm	20mm x 10mm
600ml	16.7	6	3

Calculation formula $\frac{W \times D \times L}{1000}$ = Litres
W= width(mm), D=depth(mm), L=length(M).

Application Instructions
Joint Design
Refer to Fire Test Data overleaf for correct depth/width 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 contaminents 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
For maximum performance on porous surfaces and in all immersed applications use N49 Primer. 5507 cleaner/N40 primer is recommended for non-porous surfaces.

Application
For application of sausages, a barrel gun is required, clip the end of the sausage and place in barrel gun. Screw the end cap and nozzle on to barrel gun. Using the trigger extrude the sealant, to stop depress using the catch plate. Apply M708 in a continuous bead using enough pressure to properly fill the joint.

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



M708 BOSTIK FIREBAN continued

Precautions

- Should not be applied with wet tooling techniques using solvents, water or detergent, soap solutions not recommended.
- 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.
- 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/or discolouration.
- Cures via air humidity. Can be affected by water before or during cure. The sealant should not be stored, applied or cured in areas where unusually high humidity or free water are present during the application or initial cure.
- Sealant should be allowed to cure for 14 days prior to subjecting to an intermittent or continuous head of water.

Health and Safety

- On contact, uncured sealant causes irritation. Gloves and protective goggles must be worn during application and use.
- Avoid contact with skin, eyes and avoid breathing in vapour.
- Wear protective gloves when mixing or using.
- If poisoning occurs, contact a doctor or Poison Information Centre.
- If swallowed, do not induce vomiting. Give a glass of 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 Datasheet.

Clean-Up

Clean up uncured material and equipment immediately after use using solvent. Do not use solvents on skin.

Storage

Store between 5℃ and 30℃. Shelf life is two years i n original unopened sausage.

Summary of Fire Testing conforming to AS1530:4

(1) Concrete Floor Joint

170mm thick slab with joint up to 40mm wide sealed on one side at width to depth ratio of 2:1 with minimum depth of 10mm. -/240/240.

170mm thick slab with joints up to 50mm wide sealed both sides 2:1 ratio -/240/240.

170mm thick slab with the following penetrating items all sealed both sides, width to depth ratio 2:1.

Copper Pipe	152mm OD through 200mm wide hole -/180/-.
Copper Pipe	32mm OD through 80mm wide hole -/120/60.
Brass Pipe	102mm OD through 150mm wide hole -/120/-.
Brass Pipe	32mm OD through 80mm wide hole -/120/120.
Cable Bunch	6x10 cables passing through 180mm x 130mm hole. Each cable containing 100 copper wires -/120/120.

Cable on cable tray passing through 330mm x 600mm hole -/120/90.

(2) Concrete Wall Joint

170mm thick concrete wall sealed one side at width to depth ratio of 2:1, minimum depth of 10mm.
Gap up to 20mm wide -/240/180 sealed non-fire side.
Gap up to 40mm wide -/240/120 sealed non-fire side.
Gap up to 40mm wide -/240/240 sealed fire side.

(3) Concrete Floor and Plasterboard Wall Joint.

10mm wide gap sealed each side of the wall to a depth of 26mm -/120/120.

(4) Superlux Faced Plasterboard Wall

32mm copper pipe through 40mm hole sealed to depth 15mm -/120/-.
19mm uPVC conduit through 40mm hole sealed to depth 15mm plus 25mm x 30mm fillet on both sides of wall -/90/-.

(5) Plasterboard Wall - Non Load Bearing

Control joints 20mm width to depth of board-

sealed both sides -	1 Hr wall -/60/30.
	2 Hr wall -/120/120.

Durability

M708 Fireban can be expected to retain its original properties for 15 years if applied strictly in accordance with manufacturers instructions.