FIREBAN® ACRYLIC

FIRE RATED ACRYLIC SEALANT

04th March 2020

YOUR SMART ADVANTAGES

- Fire rating for gaps up to 40mm
- Designed for Australian conditions
- Good flexibility joint movement +/- 25%
- One part no mixing required
- Very easy to apply and gives a smooth finish
- Smooth gunnability and tool off finish
- Low odour
- Non-toxic
- Asbestos free
- Priming not normally required
- Water clean up
- Prevents the passage of hot gases
- Paintable after fully cured
- Water resistant after cure
- Excellent adhesion to metal, wood, plasterboard, all masonry, AAC and Hebel
- Acoustic capabilities with a 60 STC* rating in plasterboard construction
- Available in three colours, white, grey and limestone

DESCRIPTION

Bostik Fireban® Acrylic is a single component, non-sag, fire rated acrylic based gunnable sealant. A general-purpose product for construction joints and the sealing of service penetrations in plasterboard, concrete floors and masonry wall constructions. **Bostik Fireban® Acrylic** is a gun grade acrylic based sealing compound specifically manufactured for sealing low movement interior joints (up to +/- 25%) in masonry and plasterboard to provide a fire barrier for periods up to 4 hours.

USES

Installation of fire rated sealant in concrete walls and floors, and plasterboard walls.
Sealing of gaps around pipes, cables, ducts and services, which penetrate, fire rated walls and floors.
For vertical and horizontal joints, interior applications requiring acoustic properties or STC rating.
Perimeter sealing of door and window framing interior.
Sealing gaps between faced and cladding panels to various building materials.
For new construction and remedial applications.
To prevent the spread of fire and smoke through walls and floors.

PRODUCT CHARACTERISTICS	
Colour	White, Grey, Limestone
Appearance	Non sag smooth thixotropic paste
Stain and Colour Change	None
Chemical Resistance	Fair
Max. Joint Movement	+/- 25%
VOC g/Lt	36
Product code	
600ml Sausage/ 20 per Carton – Grey	30615090
600ml Sausage/20 per Carton – L/Stone	30615089
300ml Cartridge/20 per Carton – White	30615088
Chemical Type	One component intumescent acrylic
Max. Joint Width	40mm
Service Temperature	-20°C to +90°C
Application Temperature	+5°C to +35°C
Tool Working Time	15 minutes at 25°C
STC Rating*	60

*rating dependant on overall wall system configuration

CLASSIFICATIONS/STANDARDS

Fire resistance when tested in accordance with AS1530.4-2014 and AS4072.1-2005

BOSTIK FIREBAN®ACRYLIC

SURFACE PREPARATION

Clean all surfaces by removing foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants, curing and mould release agents and any protective coating. Porous substrates should be cleaned by grinding, saw cutting or blast cleaning (sand or water). Dust, loose particles, etc., should be blown out of joints with oil free compressed air or vacuum cleaned. Non-porous and plastic surfaces should be cleaned by solvent or mechanical means. Cleaning solvents should not be allowed to air dry or evaporate without being wiped with a clean, dry cloth.

APPLICATION

Bostik Fireban® Acrylic, when used as an adhesive or sealant, should be dispensed from either the cartridge or sausage sachet by means of a hand or air operated caulking gun designed for such application (available from Bostik). Cut the cartridge and screw on the supplied nozzle. Having previously cut this to give the required angle and bead size. Place the cartridge in a suitable Bostik extrusion gun and press the trigger. For sausages, a barrel gun is required, which is available from Bostik. Clip the end of the sausage and place complete sausage into the barrel of gun, with pierced end located at the top of the nozzle. Screw top of nozzle and housing on barrel of gun. Using the trigger on the gun extrude product from the sausage. To stop product flow, using the thumb, depress the catch plate mechanism located at the very rear of the gun, directly above the trigger.
Install back-up or joint bond breaker material as specified.
Apply **Bostik Fireban® Acrylic** in a continuous operation using positive pressure adequate to properly fill and seal a cavity. Tool Bostik Fireban®Acrylic with sufficient pressure to spread the sealant against the back-up material and onto the joint surfaces. A tool with a concave profile is recommended to achieve the correct shape.

SURFACE PREPARATION

Bostik Fireban® Acrylic should be applied to a minimum depth of 6mm, maximum width of 40mm. The ratio of joints width to sealant depth should be approximately 2:1. Joints width should not be less than 6mm.

The joint must allow a sealant depth, after installation of backer rod or bond breaking material, of a minimum of 6mm. Lap shear joints should have a bead width equal to, or greater than twice the anticipated movement. A conservative design practice, which uses a portion of the sealant's movement capability as a safety factor is recommended. Sealants are subject to cohesive failure when the actual movement is greater than their rated capability.

COVERAGE

Linear Meters per 600ml sausage (Approx.)

Size	12x6	16x8	20x10	24x12
600ml	8.4	5.0	3.0	2.0

Calculation formula $\frac{W \times D \times L}{1000}$ = Litres

Litres / 0.6 = No. of 600ml sausages

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

PRIMING

Priming is not required unless surface to be bonded is in poor condition or exceptionally porous. Consult Bostik Technical department for advice on priming

MIXING

No mixing is required for **Bostik Fireban® Acrylic**. Simply use directly from sausage or cartridge.

PAINTABILITY

Bostik Fireban® Acrylic is paintable after fully cured

Important Notes

- **Bostik Fireban® Acrylic** is not recommended for water immersion, exposed external joint sealing or areas subject to heavy traffic.
- **Bostik Fireban® Acrylic** should not be applied with wet tooling techniques. The use of solvents, water or detergent solution is not recommended.
- **Bostik Fireban® Acrylic** 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® Acrylic** 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 is present during the application or initial cure.
- **Bostik Fireban® Acrylic** should be allowed to cure prior to subjecting to any intermittent water exposure.
- Do not apply to surfaces with temperature under 5°C, as cure will be retarded.

BOSTIK FIREBAN® ACRYLIC

BOSTIK CO-OPERATIVE TEST PROGRAM

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 projects where pre application testing will aid in determining the proper surface preparation method to achieve optimum adhesion. Consult a Bostik representative for further information.

CURE RATE

The cure rate is dependent on the bead size (width & depth), and is greatly affected by temperature, humidity, and the presence of water and moisture on the substrate. Approximate cure rates at 23°C and 50% RH are as follows;

- 1mm – 1 day
- 3mm – 5 days

STORAGE & SHELF LIFE

All material shall be stored under cover in a manner that will prevent damage, preferably on pallets and protected from excessive heat and moisture. Do not freeze. **Bostik Fireban® Acrylic** has a shelf life of 18 months from date of manufacture when stored at or below 27°C.

SAFETY PRECAUTIONS

Refer to the Safety Data Sheet for additional information.
SDS can be downloaded from www.bostik.com.au

CLEAN UP

Equipment can be easily cleaned with water while wet.

PACKAGING

Bostik Fireban® Acrylic is available in 600ml sausages and 300ml cartridges.

FIRE

Bostik Fireban® Acrylic is non-flammable

VOC INFORMATION

36 g/Lt

For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.

Product Data Sheet

Fyrchek™

Gyprock Fyrchek has been developed to take the heat. Fyrchek’s specially processed glass fibre-reinforced gypsum core makes it ideal for use in fire rated wall and ceiling systems and where improved acoustic performance is required.

Product Overview

Fyrchek's glass fibre-reinforced core enables it to maintain structural integrity when subjected to direct flame making it an ideal board for use as part of a fire rated wall or ceiling system.

This plasterboard is also an acoustic grade board and can be used in systems where acoustic separation is specified.

Gyprock Fyrchek can be easily identified by its pink coloured face paper.

Typical Applications

Fyrchek is predominantly specified for commercial installations in areas where there is a higher level of fire resistance and/or acoustic performance required.

Typical applications include:

- Fire separation and smoke walls
- Intertenancy walls and party walls
- Multi-residential unit ceilings
- Lift wells
- Plant rooms
- Any non-wet area wall or ceiling where a fire or acoustic rated system is specified

More information about fire solutions can be found under the **Solutions** tab.

Australian Made and Owned
Licensed by Australian Made Campaign Ltd

Acoustic Properties
Helps combat sound transmission

25 Year Warranty
Specify and install with confidence

Fire Resistant
Can be used as part of a fire-rated system

Tested Fire Performance

Gyprock fire rated plasterboard products are manufactured with special additives to enhance their fire resistance properties. The additives slow the progress of heat and flame, and when used as part of a CSR fire rated system, provide performance options suitable for many construction types.

CSR provides a range of wall and ceiling systems, junction and penetration details, which meet and exceed the requirements of the Building Code of Australia. These solutions often include a combination of plasterboard, insulation, sealants and accessories to reach various performance criteria.

Technical Specifications

Product Options

Gyprock Fyrchek is available in the following sizes:

Thickness	13mm 16mm
Widths	1200mm 1350mm
Lengths	2400mm 2700mm 3000mm 3600mm 4200mm 4800mm
Edge Profiles	Recessed Edge for regular jointing

Stockholdings of specific sizes may vary in different regions. Click **HERE** for a list of stocked sizes in your state

For the latest product availability in your area and to place an order, contact your **nearest supplier**.

Product Manufacture

Gyprock Fyrchek is manufactured by CSR Gyprock in Australia to stringent product specifications.

Product Handling

Transportation and manual handling: Refer to the **Gypsum Board Manufacturers of Australia (GBMA) website** for recommended OH&S practices.

Storage: Protect plasterboard and cornice from weather and moisture. Avoid products sagging by storing horizontally, supported on a level platform or full-width support members spaced at max. 600mm centres.

Health and Safety

Safety Data Sheets are important documents in the construction industry and assist in the continuing focus on occupational health and safety on and off sites.

Manufacturing Tolerances

Nominal Thickness	13mm and 16mm ± 0.5mm
Nominal Widths	1200mm and 1350mm ± 3mm
Nominal Lengths	From 2400 to 4800 ± 5mm, typically in 300mm increments
Squareness	Cut ends ± 3mm in the width of the board

Physical Properties

	13mm	16mm
Nominal Board Weight*	10.5kg/m^2	12.5kg/m^2
Thermal Performance: R-Value	0.05 - 0.07 m^2K/W	0.07 – 0.09 m^2K/W
Fire Hazard: assessed to AS/NZS3837 cone calorimeter test	Average Specific Extinction Area (ASEA) <250m^2/kg Group Number 1 Report Reference WFRA 45759	
Combustibility	In accordance with BCA Clause C1.12, Gyprock Fyrchek may be used wherever a non-combustible material is required by the Code.	
Total Recycled Content	9.1%	9.0%

*Subject to reasonable manufacturing variance.

Resources

Gyprock makes available **resources** that provide comprehensive selection, design, installation and maintenance guidance.

Australian Made and Owned

Licensed by Australian Made Campaign Limited to use the Australian Made Logo.

Manufactured for Life

Gyprock plasterboard products are manufactured for life with all CSR products designed to achieve optimal performance when part of a CSR integrated system.

GECA Accredited

Verified by an independent conformity assessment body to meet the environmental, health and social/ethical criteria of the GECA Panel Boards standard.

Certified Low VOC

Exceeds the GBCA specification for Volatile Organic Compound content according to independent testing.

Product Data Sheet

Fyrchek™ MR

Gyprock Fyrchek MR combines a fire and acoustic grade board with additional moisture resistance to create the ideal lining for fire rated wall and ceiling systems in wet areas.

Product Overview

Fyrchek MR's glass fibre-reinforced core enables it to maintain structural integrity when subjected to direct flame. The additional moisture resistant properties make it an ideal board for use as part of a fire rated wall or ceiling system in wet areas or application subjected to high humidity.

This plasterboard is also an acoustic grade board and can be used in systems where acoustic separation is specified.

Gyprock Fyrchek MR can be easily identified by its blue coloured face paper.

Typical Applications

Fyrchek MR is predominantly specified for commercial installations in areas where there is a higher level of fire and moisture resistance.

It is primarily intended for walls and ceilings in wet area rooms, soffits and external eaves that must achieve fire resistance.

More information about fire and wet area solutions can be found under the **Solutions** tab.

Australian Made and Owned
Licensed by Australian Made Campaign Ltd

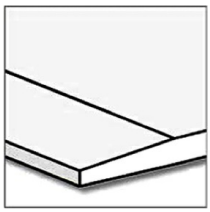
Moisture Resistant
Suitable for wet areas

Acoustic Properties
Helps combat sound transmission

Fire Resistant
Can be used as part of a fire-rated system

Available Edge Profiles

Gyprock Fyrchek MR is available with a recessed edge (RE) profile



Gyprock Fyrchek MR is available with a recessed edge (RE) profile – both long edges of the board feature a recess that tapers approximately 60mm in from the edge. This is the standard choice of profile for flush jointed systems.

Tested Fire Performance

Gyprock fire rated plasterboard products are manufactured with special additives to enhance their fire resistance properties. The additives slow the progress of heat and flame, and when used as part of a CSR fire rated system, provide performance options suitable for many construction types.

CSR provides a range of wall and ceiling systems, junction and penetration details, which meet and exceed the requirements of the Building Code of Australia. These solutions often include a combination of plasterboard, insulation, sealants and accessories to reach various performance criteria.

Technical Specifications

Product Options

Gyprock Fyrchek MR is available in the following sizes:

Thickness	13mm 16mm
Widths	1200mm
Lengths	2700mm 3000mm 3600mm
Edge Profiles	Recessed Edge for regular jointing

Stockholdings of specific sizes may vary in different regions. Click **HERE** for a list of stocked sizes in your state

For the latest product availability in your area and to place an order, contact your **nearest supplier**.

Product Manufacture

Gyprock Fyrchek MR is manufactured by CSR Gyprock in Australia to stringent product specifications.

Product Handling

Transportation and manual handling: Refer to the **Gypsum Board Manufacturers of Australia (GBMA) website** for recommended OH&S practices.

Storage: Protect plasterboard and cornice from weather and moisture. Avoid products sagging by storing horizontally, supported on a level platform or full-width support members spaced at max. 600mm centres.

Health and Safety

Safety Data Sheets are important documents in the construction industry and assist in the continuing focus on occupational health and safety on and off sites.

Manufacturing Tolerances

Nominal Thickness	13mm and 16mm ± 0.5mm
Nominal Widths	1200mm ± 3mm
Nominal Lengths	From 2700 to 3600 ± 5mm, typically in 300mm increments
Squareness	Cut ends ± 3mm in the width of the board

Physical Properties

	13mm	16mm
Nominal Board Weight*	10.8kg/m^2	12.9kg/m^2
Thermal Performance: R-Value	0.05 - 0.07 m^2K/W	0.07 – 0.09 m^2K/W
Fire Hazard: assessed to AS/NZS3837 cone calorimeter test	Average Specific Extinction Area (ASEA) <250m^2/kg Group Number 1 Report Reference WFRA 45759	
Combustibility	In accordance with BCA Clause C1.12, Gyprock Fyrchek MR may be used wherever a non-combustible material is required by the Code.	
Total Recycled Content	9.3%	8.4%

*Subject to reasonable manufacturing variance.

Resources

Gyprock makes available **resources** that provide comprehensive selection, design, installation and maintenance guidance.

Australian Made and Owned

Licensed by Australian Made Campaign Limited to use the Australian Made Logo.

Manufactured for Life

Gyprock plasterboard products are manufactured for life with all CSR products designed to achieve optimal performance when part of a CSR integrated system.

GECA Accredited

Verified by an independent conformity assessment body to meet the environmental, health and social/ethical criteria of the GECA Panel Boards standard.

Certified Low VOC

Exceeds the GBCA specification for Volatile Organic Compound content according to independent testing.