



# FIREBAN<sup>®</sup> HYBRID

## FIRE RETARDANT HIGH PERFORMANCE MS SEALANT

04<sup>th</sup> February 2020

### YOUR SMART ADVANTAGES

- Up to 4 hours of fire resistance – Tested in accordance with AS 1530.4-2014
- Also suitable for wall/ceiling and wall/floor joints
- Applicable for joints up to 30mm wide
- Prevents unwanted airflows
- Excellent processing and easy toolability
- Accommodates joint movement up to 25%
- Paintable with most water and oil based paints
- Resists fungus and vermin
- Not corrosive towards metals
- UV, weather and water resistant
- Durable and odourless

Bostik Fireban<sup>®</sup> Hybrid is a high performance and durable single component fire retardant sealant based on MSP (Modified Silyl-Polymer) technology. Fireban<sup>®</sup> Hybrid absorbs movements up to 25% and cures with the aid of atmospheric humidity to form a durable elastic rubber.

### USES

Bostik Fireban<sup>®</sup> Hybrid can be used for fire resistant sealing of connection and expansion joints in construction, which in case of fire should have fire resistance. Fireban<sup>®</sup> Hybrid prevents the spread of fire, smoke and/or toxic gases. Also applicable for horizontal joints and connection of floor/ceiling with walls. Fire resistance has been tested in accordance with AS 1530.4 up to 240 minutes in a horizontal and vertical (movement) joint of 30mm wide. Ensure that you choose the correct fire resistance for your application by consulting the classification and test reports.

### SUBSTRATES

Bostik Fireban<sup>®</sup> Hybrid will adhere to most common building materials, including:

- Stone
- Concrete
- Glass
- Plasterboard,
- Polyurethane
- PVC and hard plastics
- Enamel
- Ceramic
- Copper and lead
- Zinc
- Aluminium, Alloys, Stainless steel

- HPL & Cement fibre panels
- Wood and paint systems

### PRODUCT CHARACTERISTICS

Colours	White
Viscosity	Smooth, paste like consistency
Composition	MS Polymer
Curing Method	Moisture Curing
Temperature resistance	-40°C to 90°C

### Product codes

290ml cartridge/12 per carton	
Limestone	30615091
600ml sausage/12 per carton	
Limestone	30615092

### TYPICAL PERFORMANCE DATA (approx.)

Shore A hardness	24 (DIN 53505)
100% Modulus	0.49 MPa
Application temperature	5°C to 40°C
Frost resistance during transportation	Until -15°C
Flow	< 2mm (ISO 7390)
Cure rate	2-3mm per day at 23°C/50% RH
Skin time	10 minutes at 23°C/50% RH
Specific gravity	1.48 g/ml
Elongation at break	350%
Joint movement	25%
Tensile strength	0.96 MPa

### DIRECTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting [www.bostik.com.au](http://www.bostik.com.au) or by scanning the relevant QR code on the pack.

# BOSTIK FIREBAN® HYBRID

## SURFACE PREPARATION

For optimum performance, surfaces to be sealed should be clean, dry, and free of dust, wax, grease or any loose or flaking paint. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width, with a joint width up to 10mm is 1:1, being a minimum of 5mm width and depth. Joints wider than 10mm, the required depth can be calculated by the formula below. Bostik Fireban® Hybrid adheres perfectly without the use of a primer on most non-porous substrates. Porous substrates should be pre-treated with Bostik Simson Prep P Primer. Always test adhesion prior to application.

$$\text{Depth (mm)} = (\text{Width} / 3) + 6$$

## APPLICATION

### Cartridge application:

1. Cut the top of the cartridge and screw on the nozzle.
2. Cut the nozzle to give the required angle and bead size.
3. Place the cartridge in a caulking gun and squeeze the trigger.

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

### Joint sealing hints:

- Always use a backing rod for correct sealant geometry and contact with the substrate.
- Primer after the installation of the backing rod.
- Ensure maximum adhesion to bond face.
- Minimum allowable joint depth is 6mm.
- Depth to width ration of 1:1 up to 10mm width and using the formula above from 10–30mm width.
- Tool sealant to achieve concave shape.

## PAINTABILITY

Bostik Fireban® Hybrid is perfectly paintable with water based and 2 component paints. It is recommended to test compatibility with paint prior to application.

## LIMITATIONS

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

## CLEANING

Remove excess uncured sealant with a damp cloth or water immediately. Cured sealant is best removed by mechanical scraping or sanding. Use Bostik Handy Wipe towels to remove adhesive from skin.

## STORAGE AND SHELF LIFE

Store in a cool dry place (between 5°C to 25°C) and out of direct sunlight. Shelf life is 18 months from the date of manufacture when stored as directed.

This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Australian Consumer Law (ACL). Sale of the product by Bostik is subject to the Bostik Australia Proprietary Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit [www.bostik.com.au](http://www.bostik.com.au)

## DISPOSAL

Empty cartridges and sausages may be disposed via local landfill. If spilt, absorb with clay, sand or earth. Collect and seal in properly labeled metal container. Dispose of according to local authority regulations. Do not dispose of down drains or into local waterways.

## VOC INFORMATION

28.4 g/litre

## HEALTH AND SAFETY

**May cause an allergic skin reaction. Causes serious eye irritation.**

**SAFETY:** Keep out of reach of children. Read label before use. Avoid breathing dust, fume, gas, mist, vapours or spray. Wash hands, face and all exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective clothing, gloves, eye/face protection and suitable respirator.

**FIRE:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**SPILLS & LEAKS:** Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment. Absorb with sand or soil. Collect and seal in properly labelled drums. Dispose of contents/container in accordance with local, regional, national and international regulations.

**FIRST AID:** If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766). If medical advice is needed, have product container or label at hand. **SWALLOWED:** If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. **EYE:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. **SKIN:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation occurs seek medical advice. **INHALED:** Remove from contaminated area. Seek medical advice.

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

BOSTIK HOTLINE

Smart help 1800 267 845

