



Australia Pty Ltd

Simple Sealing Solutions

5-7 KEVLAR CLOSE, BRAESIDE, 3195

VICTORIA, AUSTRALIA.

P.O. BOX 1134, BRAESIDE 3195

TEL +61 (0) 3 9587 6022

FAX +61 (0) 3 9587 6122

MOB +61 (0) 417 131 104

EMAIL seals@optiseal.com.au

WEB www.optiseal.com.au

FireBlock™

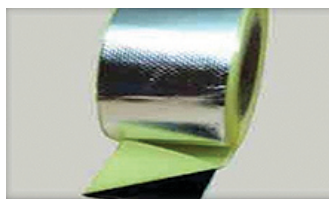
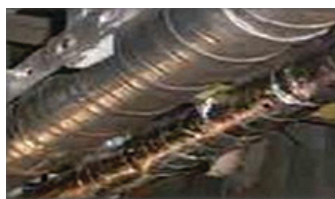
Thermal Expansion Fire Resistant Butyl Tape / Sheet / Putty Stick



Specialists in Butyl Adhesive Systems



FireBlock™
Thermal Expansion Fire-Resistant
Butyl Tape / Sheet / Putty Stick



Although, butyl is used for waterproofing, soundproofing, dustproofing, insulation, anti-corrosion and sealing, it has very weak resistance to fire and excessive heat.

However

FireBlock™ performs the above functions and offers fire-resistance functionality at the same time.

FireBlock™ Butyl is a new type of fire-resistant material that expands in the event of fire or when heated to perform a fire-resistant function.

FireBlock™ is a thin and flexible organic fire-resistant material.

It is different from conventional inorganic fire-resistant materials, since in the event of fire or when heated, it expands allowing it to perform its fire-resistant and fire prevention functions rapidly and effectively.

Features

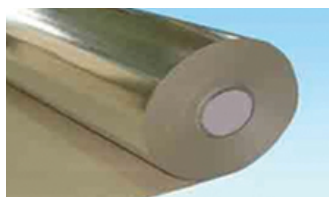
- Forms a layer of fire-resistant char in the event of fire or when heated
- Stable in normal room temperature conditions, but when heated over 200°C or in the event of fire, it expands and forms a fire-resistant char. It has great insulating characteristics preventing loss by fire.
- Expands up to 8 times
- Never hardens and remains permanently elastic and flexible.
- Easy to use: Its thin and flexible shape makes it easy to bend or cut. It also can be easily installed in narrow or small spaces.
- The butyl **FireBlock™** is pressure sensitive and making it possible to instantly seal and layer with other materials. Good adhesion makes layering possible with different materials or surfaces which thus enabling enables design.
- It contains no toxic gas or heavy metals so is environmentally friendly. Since the material does not disperse dust during installation, it is safe both for workers and other people nearby.
- Life expectancy of more than 20 years.
- Shelf Life: 12 months if stored between +5°C and 30°C in dry, clean and frost-free conditions.
- Resistant to detergents and dilute acids and alkalis.
- Supplied in a thin sheet, tape and putty form, making it easy to bend or cut. It is also good to be used in narrow or small spaces.

How to use:

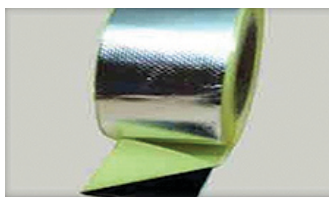
Application temperature: Above 5°C

- 1) Surface to be applied should be clean, dry, grease and dust free.
- 2) Remove the protective paper and make contact applying firm pressure ensuring all air bubbles are expelled.
- 3) Should be applied by hand directly.

Products:



Roll Type
Construction
Al Foil + Butyl



Tape Type
Construction
Al Foil + Fiber
Glass Mesh + Butyl



Sheet Type
Construction
Non Woven Fabric + Butyl



Putty Stick
Construction
Putty Stick

Many ways of using FireBlock™

FireBlock™ has many potential applications. It can protect buildings and vehicles, retards the spread of fires, protects equipment and facilities and saves space. Superior heat insulation, Fire resistant, Flexible, Pressure Sensitive, Thermal expansion and Safety

Fire-retardent / Heat-proof Clothes

Use **FireBlock™** as lining for Fire-retardent or Heat-proof Clothes



Vehicles (Including Train)

Wrap it around fuel tanks and engine room bays to prevent the spread of fire in case of an accident. It can be used for sound proofing, waterproofing and fire-proof purposes for cars, buses and trains. Prevent fire by using on car seat heating mat.



Ships

Install it around the bulkheads and cable, pipe penetration, pipe line and between the flanges of Fire Rated Ductwork for sealing on passenger ships, oil tankers, submarine and other vessels to prevent the spread of fire if one breaks out. It is also good for anti-corrosion and insulation.



Electric and Electronic equipment

Use it to protect cables and prevent ignition from electronic equipment.



Civil engineering

Use it to protect bridges and tunnels for anti-corrosion, waterproofing and fireproofing.





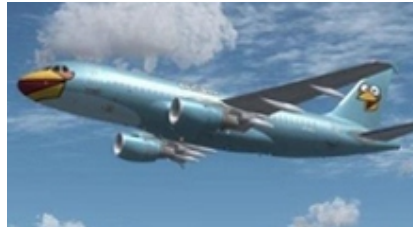
Buildings and Housing

Internal and external cladding and roofing sheet joints, partitions and other infill panels, joints between and under frames, cover strips, mullions, ceiling grid to wall and service duct penetrations. Use **FireBlock™** on walls, roofs, columns, beams, floors, cable/pipe penetrations, between the flanges of Fire Rated Ductwork for sealing and other locations for soundproofing, dustproofing, insulation, waterproofing and fireproofing.



Aircraft

Use **FireBlock™** on the interior of passenger seats, around engines and on the walls of freight compartments increasing safety, saving space and reducing weight.



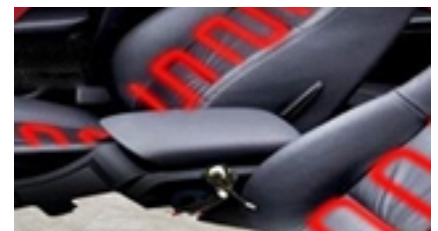
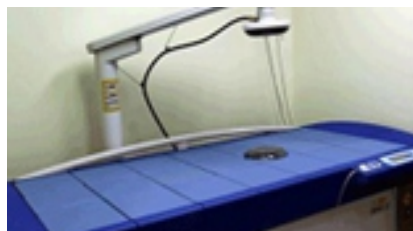
Welding Blanket

Use **FireBlock™** as a welding blanket. Especially good for welding works on the wall and ceiling because it is easy to stick and remove.



Fire Doors, screens, partitions, panels and Interior/Exterior Works

Use **FireBlock™** between fire doors and other interior/exterior works to prevent the spread of fire and smoke.



Cable/Pipe/ H-Beam Penetrations

Use **FireBlock™** on beams, cable/pipe penetrations, between the flanges of Fire Rated Ductwork for sealing and other locations for waterproofing and fireproofing. **FireBlock™** is also good for splashing protection. Use it as high temperature, heat reflective, protective wrap for cables and other components in marine, aerospace and other industrial applications.

