

## FIREFLEX MS FIRESTOP SEALANT



### Description

FireFlex MS Sealant is a neutral, one-part MS sealant which is cured to an elastic form on exposure to atmospheric moisture at room temperature. FireFlex MS is a paintable product which exhibits excellent performance in a fire zone.

### Key performance Properties

- Excellent Fireproof Performance
- Paintable
- Conforms to the KS F 4910 standard

### Applications

FireFlex MS is designed for joint sealing in fire zones of buildings. Areas requiring sealing of penetrated areas such as pipes, electric cables, wiring or ducts. FireFlex MS seals joints and ensures areas are fireproof, waterproof or dustproof.

<b>Cure Method</b>	Neutral (Oxime)
<b>Specific Gravity</b>	1.5 ~ 1.7
<b>Tack-free Time</b>	10 ~ 30min
<b>Shelf life</b>	12 months
<b>Ultimate Tensile Strength ASTM D412</b>	1.4 ~ 1.8N/mm <sup>2</sup>
<b>Ultimate Elongation ASTM D412</b>	250 ~ 450%
<b>Shore A hardness ASTM D2240</b>	30 ~ 40
<b>Joint Movement Capability KS F 4910</b>	± 25%

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### 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.

For neat finishing, use masking tape and remove it within the working time. For sealant designs with depth of over 10mm, use approved backing materials.

### Application Direction

Cut nozzle at 45° angle to desire bead-width and screw onto nozzle. 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 Firecyl Sealant in a continuous operation using positive pressure adequate to properly fill and seal a cavity. Tool Firecyl 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. Tool the sealant within 10 minutes of extrusion before it skins. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint. Uncured sealant can be cleaned up with damp cloth.

### Packaging

600ml Sausages - Available in cartons of 20  
Product packed in Australia

### Storage & Shelf Life

The shelf life of FireFlex MS Sealant is 12 months.

### Health and Safety

Contains a mixture of CMIT/MIT. May produce an allergic reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. If eye irritation persists: Get medical advice. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet. **KEEP OUT OF REACH OF CHILDREN.**

### Limitations

- Do not use on surfaces that is always submerged in water such as fish tanks or swimming pools.
- Do not use on wet surfaces.
- Do not use on surfaces in direct contact with food.
- Do not use for materials that contain oils, plasticizers, solvents, etc. on the surface, which may inhibit adhesion or cause discoloration.
- Not recommended for use on Polyethylene, Polypropylene, ABS, etc. since adhesion may be weak. Check the adhesiveness of each material before applying.
- Depending on the type of paint and construction method, paint defects and unusual colors may appear, so test before applying.
- Do not use in enclosed space and parts enduring high pressure.
- Do not use when the surface temperature exceeds 50°C or is under 5 °C. In such environment, there is a possibility that adhesion may not be achieved or problems (swelling, cracks, etc.) may occur in the joint.

### Legal Notes

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company

cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

## COLOURS



Grey