

Strip Butyl Flame Retardant Tape - FRW10

Product Description

FRW10 has been assessed, tested and approved by an independent laboratory to BS 6920 & NFRC Class “A” standard.

FRW10 is a preformed high-performance, flame-retardant polyisobutylene (PIB) based sealing tape, available in single strand, multi-lane rolls & tailored extruded profiles. The product contains a number of flame-retardant additives; it has been designed to resist ignition and to self-extinguish, as with all flame-retardant systems we recommend that users carry out their own composite testing. This product has a multitude of applications where joints need to be formed to seal against air and water ingress or water release. The product is cost effective, non-toxic and requires no tools to apply.

Features

- Highly conformable on plastic coated steel composite panels
- Excellent adhesion and UV resistance
- FRW10 is tested to BS6920 & NFRC Class A
- Good chemical and UV resistance
- 25 years life expectancy
- Good movement accommodation
- Solventless formulation
- Joint movement up to 15%

Typical Applications

- End lap seal on composite panel / roof light end laps (reduced cut back)

Application Advice

To achieve the performance required from a strip sealant, please ensure the following is achieved:

1. Surface is clean, dry and dust free
2. Compression is achieved in accordance with the system manufacturers guidelines
3. Avoid cross contamination with chemicals (if unsure please see contact with your technical advisor)
4. System manufacturers guidance is followed with regard to grade of material for warranty purposes
5. System manufacturers guidance is followed with regard to positioning of material

Failure to follow these guidelines may impact on the longevity and success of the seal.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. March 2024

Premier Sealant Systems Ltd.

T 01724 864 100 | E sales@sealprem.com | www.sealprem.com

Mercia Way, Foxhills Industrial Park, Scunthorpe, DN15 8RE

Registered Office: Mercia Way, Foxhills Industrial Park, Scunthorpe, DN15 8RE | Registered in Cardiff No. 3000843

FRW10 should be applied to surfaces at a temperature range of between +4 and +40°C. For best performance the surfaces should be clean, dry, and grease free. The product should be unwound and lightly pressed into position leaving the release paper in place. On forming the joint the release paper is removed, and the closing surface pushed firmly in place, pressure applied along the length of the joint, and mechanically fixed.

	Value
Dynamic Tensile Adhesion Separation Rate 100mm/min @ 20°C	24 N/cm ²
Dynamic Shear Adhesion Separation Rate 200mm/min @ 20°C	22 N/cm ²
Force to Compress	0.30 K/cm ²
Density	1.6 KG ³
MVTR - tested to BS15106-3	0.025 g/m ² /24hr/mm at 25°C & 75% RH
Service Temperature	-40°C to +90°C
Application Temperature	+4°C - +40°C
Shelf Life	2 years
Permeability to vapour (sealant component only)	2.5 g/m ² /24h
Shelf life	1 year

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. March 2024

Premier Sealant Systems Ltd.

T 01724 864 100 | E sales@sealprem.com | www.sealprem.com

Mercia Way, Foxhills Industrial Park, Scunthorpe, DN15 8RE

Registered Office: Mercia Way, Foxhills Industrial Park, Scunthorpe, DN15 8RE | Registered in Cardiff No. 3000843

Sealprem strip Butyl Storage and Transportation Advice

STORAGE TEMPERATURE: between 5 °C and 25 °C Ambient

TRANSPORT TEMPERATURE: between 5 °C and 25 °C Ambient

LOADING/UNLOADING TEMPERATURE: Ambient

VISCOSITY (cSt): Not Applicable

STORAGE/TRANSPORT PRESSURE (kPa): Atmospheric

ELECTROSTATIC ACCUMULATION HAZARD? No, not from product, slight static charge may be developed from the removal of the release paper, if relevant use appropriate grounding procedures

USUAL SHIPPING CONTAINERS: This product can be transported by shipping container. Where possible avoid any excessive heat and prolonged exposure. Continuous exposure may impact on ease of application. Supplied in cardboard cartons.

MATERIALS AND COATINGS UNSUITABLE: None

STORAGE / HANDLING, GENERAL NOTES: Store in a cool, well-ventilated place away from incompatible materials. Do NOT remove release liner or store cartons of product near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Shelf life more than 24 months in ambient conditions.

Storage temperatures between 5 °C and 25 °C would be advisable however storage outside of these temperatures is possible hence the terms cool and ambient.

The key to keeping material fit for purpose is to keep it dry.

IF STORAGE AND TRANSPORTATION IS BELIEVED TO BE BEYOND THESE CONDITIONS PLEASE CONTACT US TO DISCUSS FURTHER