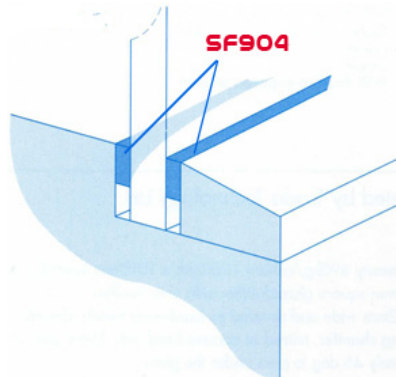


Intumescent Butyl Tape Sealant

SF 904: An inert, tape applied, water and air seal with **30 minutes fire resistance**

Introduction



Sealflex **SF904** is a clean, simple and effective non load-bearing sealant medium that will prevent ingress of water, air and noise into a joint structure. The butyl based tape includes modifiers that will cause the material to intumesce at elevated temperatures resisting the spread of fire and toxic gases through the joint.

Features:

- | | |
|--|---|
| • Intumesces when exposed to fire conditions | Provides resistance to the spread of smoke and fire when used as a sealant in a properly designed system. |
| • Permanently flexible seal | Will not dry out or become brittle in service. |
| • Easy and quick to use | Provides an immediate seal without special tools or equipment. |
| • Good adhesion | Compatible with most common substrates and building materials. |
| • Solvent free | Safe to use no fumes or special precautions needed. |
| • Excellent UV and ageing resistance | Durable and long lasting. |
| • Supplied in rolls | Convenient, clean application of measured quantities. |
| • Water resistant | No capping required. |

Typical Applications include:

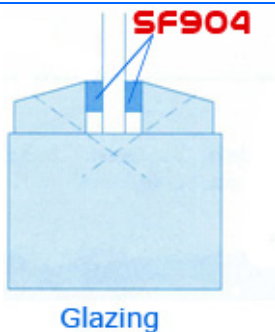
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|---------------------------|--|
| • Glazing | Fire doors, screens, partitions and panels. A non load-bearing tape that meets the requirements of NHBC and BS6262 when used as part of an approved glazing system |
| • Building | Internal and external cladding and roofing sheet joints, partitions and other infill panels, joints between and under frames, cover strips, mullions, ceiling grid to wall, service duct penetrations. |
| • Heating and Ventilation | All seams and flanges on ducts, plenums and air handling units. Meets HVCA DW142 Class A-D |

Performance

Sealflex **SF904** is an intumescent grade butyl tape which under normal conditions will seal joints against the elements. However, on exposure to temperatures in excess of 180 deg C, it will rapidly swell to an inorganic char forming a barrier to both smoke and flame. A wooden frame glazed using **SF904** 3mm x 12mm was tested to BS476 part 22 on 24 May 1995 by Trada Technology Ltd and achieved a 30 minute rating. Test report no. TFEIF 95010.

- **Life Expectancy** In excess of 20 years when used in a properly constructed joint and in accordance with manufacturers instructions. Will not harden, shrink or crack.
- **Shelf Life** 1 year in ambient conditions
- **Service Temperature** -40°C to intumescent activation at approx 180°C
- **Degree of intumescense** 100%
- **Resistance to fire** Dependant upon section dimension and joint design
- **Chemical resistance**

Paint and stains:	Good – all normal applications
Dilute acids and alkali:	Good
Detergents:	Good
Petroleum based solvents:	Will dissolve exposed sealant
- **Joint Movement Capability** 15%
- **Toxicity** Low toxicity – halogen and solvent free.



Typical glazed section, as tested by Trada Technology Ltd.

Test Specification: Softwood frame (density 490kg/cub.m) 1080mm x 1080mm overall size containing Georgian wired glass 915mm square glazed either side with Sealflex **SF904** Intumescent Butyl Tape 3mm thick x 12mm wide and secured by hardwood beads (density 639kg/cub.m) 22mm x 13mm x 10deg chamfer, mitred at corners fixed with 35mm pins at 150mm centres inserted at approximately 45 deg to pass under the glass.



Product Specification

- **Colour** Grey, Off white, black, teak or bespoke
- **Formulation** Polybutene and inert fillers with an elastomeric backbone and suitable intumescent agents.
- **Sizes**

A variety of profiles is available:	
Thickness 1mm to 15mm –	tolerance ±10 %
Widths up to 25mm –	tolerance ±1mm
Widths over 25mm to 100mm –	tolerance ± 2mm
Widths over 100mm –	tolerance ± 3mm
Industry standard and bespoke roll lengths available	

Application

Apply from the roll to clean, dry and dust free substrates. The tape should be fixed firmly to one surface, the release paper removed and closing face engaged pressing the materials together to maximise the pressure sensitive nature of the sealant. Corners to be butt jointed ensuring adequate edge contact. Joints should be compressed by 20% for optimum performance. Best applied at temperatures above 4 deg C. If required, glazing blocks to be used following the requirements of BS6262.

Sealflex SF 904

Just one of a comprehensive selection of high performance sealant and bonding tapes for sealing, jointing and acoustic applications.

The information provided herein is true and accurate at the time of publication and based on current data. It is recommended that customers evaluate the product under the conditions of their intended usage. Goods are supplied according to our standard terms and conditions, available on request.

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A blue graphic element consisting of a trapezoidal shape with a diagonal cut on the left side, containing the text 'SF 904' in a bold, sans-serif font.

SF 904