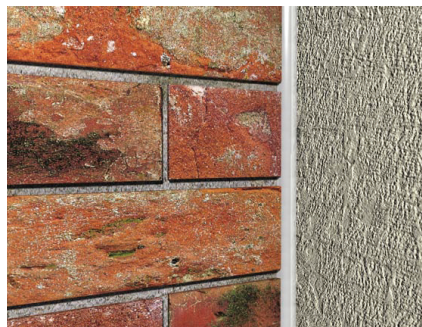


## Elastomeric fire resistant sealant



Construction joint assembly



Construction joint assembly

### APPLICATIONS

- General Construction Joints in floor to floor, wall to wall, floor to wall and head of wall 50mm (2")

### ADVANTAGES

- Low VOC
- Movement capability  $\pm 25\%$
- Excellent acoustic properties
- Primerless adhesion to most substrates
- Approved for infinite linear gap length
- Halogen & solvent free

### APPROVALS



BS EN 1366-4

BS EN 1026

BS EN ISO 10140-3:1995

ISO 11600



Approved CF 5093

Air Permeability Test Method

The laboratory measurement of airborne sound insulation of building elements

### BUILDING MATERIALS

#### Suitable for:

- Concrete
- Masonry
- Steel
- Timber

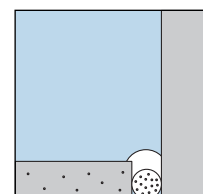
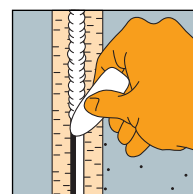
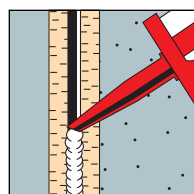
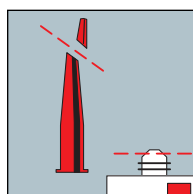
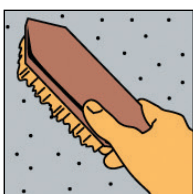
### DESCRIPTION

- fischer Fire Rated Silicone Sealant FFRS is a one part silicone based sealant that can provide up to 5 hours fire resistance when used in construction joints.
- Tested to BS 476 & EN1366-4 it provides primerless adhesion to a wide range of porous and non-porous substrates such as glass, anodised and multi-finished aluminum, steel, st. steel, rigid PVC & concrete.
- Formulated to be halogen and solvent free the fischer FFRS exhibits excellent slump characteristics and has been designed to cross link at room temperature to give a flexible seal of low modulus which will withstand movement of  $\pm 25\%$  in constant service throughout a wide range of temperatures.
- The FFRS has excellent acoustic, air permeability and water resisting properties and is suitable for both internal and external applications.

### INSTALLATION

**Firestop material must be installed in accordance with detailed instructions or the approved system.**

- Clean all contact surfaces so they are free from loose debris and contaminants
- Install the required backing material as per the detailed instructions or approved system
- For best application results - fischer FFRS should be at room temperature
- Apply fischer FFRS to required parameters as per detailed instruction or approved system making sure that it is in contact with all surfaces to provide maximum adhesion
- Tool sealant to a defect free finish using a wetted trowel or putty knife
- Clean all equipment with water immediately after use



## SPECIFICATIONS

Description	Order No.	Size [ml]	Suitable for use with
<b>FFRS 310 White</b>	512374	310	-
<b>FFRS 310 Grey</b>	533886	310	-
<b>FFRS 310 Black</b>	533887	310	-
<b>KP M2 Applicator Gun</b>	53117	-	FFRS 310

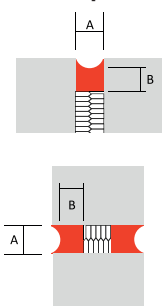
## TECHNICAL DATA

Cure System:	Alcoxy
Relative Gravity:	1.17 kg/m <sup>3</sup>
Skinning Time:	5/10 minutes approx. (at 25°C and 50% relative humidity)
Tack Free Time:	20 min approx. (at 25°C and 50% relative humidity)
Full Cure:	2-3 mm approx. per 24hrs (at 25°C and 50% relative humidity)
Shore A Hardness:	16
Extrudability g/min:	55 (standard NMRPS 495A 3mm/3 bars)
Movement accommodation:	± 25%
Application Temp Range:	+5°C to +40°C
Service Temp Range:	Range: -50°C to +150°C. Must not be stored above 35°C
Shelf Life:	Up to 12 months when stored in unopened cartridges under cool, dry conditions
Chemical and water Resistance:	The cured sealant is unaffected by water, dilute acids and alkalis, soap and household detergents. Certain solvents may soften and swell the cured rubber on prolonged contact.
Colour	White, Grey, Black
Elastic Recovery	>90%
Slump	nil upto 30mm
Sound Transmission Class	38db

## APPLICATION DATA

The following dimensions must be observed when using fischer FFRS

### Consumption Guide



Joint Width A [mm]	Joint Depth B [mm]	Yield per 310ml Cartridge Linear Metres
<b>30</b>	20	0.5
<b>20</b>	15	1.0
<b>15</b>	8	1.25
<b>10</b>	10	3.0
<b>6</b>	6	4.25

Above provide approx yield from 1 x 310ml cartridge.

### Application Guide

Max Joint Width	Depth of Sealant	Substrate	Fire Ratings (Minutes)	
			Integrity Rating	Insulation Rating
<b>12mm</b>	6mm	Concrete/concrete	300	122
<b>30mm</b>	15mm	Concrete/concrete	300	86
<b>50mm</b>	25mm	Concrete/concrete	300	65
<b>12mm</b>	6mm	Steel/concrete	300	48
<b>20mm</b>	15mm	Steel/concrete	300	43
<b>50mm</b>	25mm	Steel/concrete	300	33
<b>12mm</b>	6mm	Softwood/concrete	199	5
<b>30mm</b>	15mm	Softwood/concrete	143	
<b>12mm</b>	6mm	Hardwood/concrete	300	69

## ADDITIONAL INFORMATION

Note: Please refer to SDS for further information

### Recommendations

- Can be used in conjunction with a suitable backing material as approved in detailed instruction or approved system
  - Non-flammable mineral wool (min. 60 kg/m<sup>3</sup>)
  - PE backing rod 35 kg/m<sup>3</sup>
  - fischer FireStop Foam
- Approved for infinite linear gaps & lengths

### Storage

- Storage temperatures between +5°C and +25°C
- Store away from heat sources
- Keep container closed until use
- Monitor expiry date on tube