

|                      |      |      |
|----------------------|------|------|
| CI/SfB               | (29) | (K2) |
| CAW P10              |      |      |
| Uniclass JP10:L68114 |      |      |

## Product Information

### Description

FJ200 is elastomeric foam laminated with a graphite based intumescent compound on both sides. It is designed to perform as a 2 hour barrier in construction movement joints, when tested to EN 1366-4 and BS476. Designed for long linear installations in horizontal and vertical applications which when exposed to fire expands protecting penetrations including cables, cable bunches, cable trays, plastic and metallic pipes. FJ200 maintains the integrity and insulation performance of the seal through masonry/blockwork walls.

### Usage / Purpose

FJ200 can provide up to 2 hours fire protection, acoustic and smoke seal to building gaps and movement joints, whilst offering up to 50% movement. Typical areas of use include health and leisure facilities, schools, universities, commercial. Retail and industrial buildings. Increased movement capabilities may be achieved by using a larger FJ200 size required for the gap width. It can also be used as a fire barrier inside cable trunkings allowing for the installation of further cables.

### Packaging

Supplied in 1 m strips, slightly oversized to ensure a tight fit.

### Available Sizes

| Ref      | Nominal Gap Size (mm) | Actual Size (HxD) (mm) | Min Joint Width (mm) | Max Joint Width (mm) |
|----------|-----------------------|------------------------|----------------------|----------------------|
| FJ200/A2 | 10                    | 12 x 12                | 5                    | 10                   |
| FJ200/B2 | 20                    | 29 x 12                | 11                   | 20                   |
| FJ200/C2 | 35                    | 53 x 20                | 21                   | 35                   |
| FJ200/D2 | 50                    | 61 x 35                | 36                   | 50                   |
| FJ200/E2 | 60                    | 85 x 40                | 51                   | 60                   |
| FJ200F2  | 100                   | 126 x 100              | 61                   | 100                  |
| FJ200/G2 | 150                   | 170 x 100              | 101                  | 150                  |

### Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details).

### USAGE GUIDELINES

#### Necessary Tools

Sharp knife

#### Preparation

- Clean all surfaces of loose particles, moisture, oils, and grease including any corrosive materials.
- Ensure product specification is suitable for movement, fire rating and gap size.
- FJ200 is unaffected by moisture and can be used in all joints even where moisture is present.

#### Installation

- Before fitting, the end of the protective wrap should be cut off with a knife or scissors to ensure that FJ200 can be butted up closely at the joints.
- Compress length of system FJ200 and starting at one end compress and insert into the gap. Ensure tight fit within the gap.
- Install next strip as above ensuring the sections are tightly abutted. Cut final piece of FJ200 to suit gap length.

# FJ200

## Flexible Intumescent Gap Seal



### Key Benefits Summary

- Certified to the latest European standards
- EN 1366-4 and BS 476
- Certified 3<sup>rd</sup> party accreditation CF 5265
- Joint movement capability of  $\pm 50\%$
- Air Permeability testing to EN 1026 to 600 Pa
- 100 Pa 3.3/1.7 m<sup>3</sup>/h/m<sup>2</sup> with FS701
- Acoustics up to 18 dB
- Tested for use in linear gaps up to 150 mm
- Tested with cables, cable bunches, cable trays and cable trunking



# FJ200

## Flexible Intumescent Gap Seal

# Nullifire

## Smart Protection

### Technical Information

| Property                | Result  |
|-------------------------|---|
| Description and Colour  | Black elastomeric foam laminated with a graphite based intumescent compound   |
| Density                 | 75 kg/m <sup>3</sup>  |
| Application Temperature | +5°C to 35°C  |
| Expansion Ratio         | 25 times  |
| Maximum Seal Size       | 170 mm (other sizes can be requested)   |
| Movement Capability     | ± 50% (compression of 75% / expansion)  |
| Compression             | 74%   |
| Expansion               | 40%   |
| Air Permeability        | 200 Pa EN 1026- 100Pa 1581/1590 m <sup>3</sup> /h/m <sup>2</sup><br>600 Pa EN 1026- 100 Pa 3.3/1.7 m <sup>3</sup> /h/m <sup>2</sup> with Nullifire M701 |
| Sound                   | Acoustic reduction up to 8 Rw, 22 DnTW EN 10140   |

### Performance Data

Fire performance in accordance with EN1366-4 and BS476, Air Permeability EN1026, Sound EN10140:2-2010. Services must be supported within 200 mm of penetration.

| Blockwork/Masonry/Concrete (aerated or normal)<br>Wall and floor installations 150 mm thick | Integrity   | Insulation  |
|---|-------------|-------------|
| Up to 10 mm   | 120 minutes | 120 minutes |
| 11 – 20 mm  | 120 minutes | 30 minutes  |
| 21 – 25 mm  | 120 minutes | 30 minutes  |
| 26 – 35 mm  | 120 minutes | 60 minutes  |
| 36 – 50 mm  | 120 minutes | 60 minutes  |
| 51 – 65 mm  | 120 minutes | 60 minutes  |
| 66 – 75 mm  | 120 minutes | 120 minutes |
| 76 – 100 mm   | 120 minutes | 120 minutes |
| 101 – 150 mm  | 120 minutes | 120 minutes |

| Blockwork/Masonry/Concrete (aerated or normal)<br>Wall and floor installations 150 mm thick | Integrity   | Insulation |
|---|-------------|------------|
| <b>FJ200 (100 mm Thick)</b>   |             |            |
| 2 off 4 Core Steel Armoured Cables 18 mm ø  | 120 minutes | 60 minutes |
| 3 off 4 core Steel Armoured Cables 12 mm ø  | 120 minutes | 56 minutes |
| 4 off twin and earth Steel Armoured Cables 3.5 x 7 mm ø                                     | 120 minutes | 60 minutes |
| <b>FJ200 (120mm Thick)</b>  |             |            |
| 2 off 4 Core Steel Armoured Cables 18 mm ø  | 120 minutes | 60 minutes |
| 3 off 4 core Steel Armoured Cables 12 mm ø  | 120 minutes | 60 minutes |
| 4 off twin and earth Steel Armoured Cables 3.5 x 7 mm ø                                     | 120 minutes | 60 minutes |



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**Nullifire**  
Smart Protection

### Maintenance

No maintenance required after installation. Routine inspection recommended to ensure no damage.

### Storage

Store between +5°C and +35°C in dry conditions.

### Shelf Life

Unlimited when stored as recommended.

### Health & Safety Precautions

Safety data sheet must be read and understood before use.

### Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

### Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

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