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## CERTIFICATE OF APPROVAL

### No CF 5347

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

**TREMCO CPG UK LIMITED**  
**Coupland Road, Hindley Green, Wigan, WN2 4HT**  
**Tel: 01942 251400**

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

Nullifire FS702 Intumastic &  
FS702 ADL

#### TECHNICAL SCHEDULE

TS40 Linear Gap Sealing  
Systems & TS03 Penetration  
Sealing Systems

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan  
Certification Manager



Issued: 4<sup>th</sup> August 2015  
Revised: 18<sup>th</sup> August 2020  
Valid to: 10<sup>th</sup> September 2023

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## CERTIFICATE No CF 5347

### TREMCO CPG UK LIMITED

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#### Nullifire FS702 Intumastic & FS702 ADL

1. This approval relates to the use of Nullifire FS702 Intumastic & FS702 ADL for the fire protection of movement joints within walls and floors and as a penetration sealing system in floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness for Nullifire FS702 Intumastic & FS702 ADL required to provide fire resistance periods in accordance with BS 476: Part 20: 1987 or in accordance with BS EN 1366-4:2006 (as indicated in the Approval Matrix) up to 240 minutes for wall and floor constructions. The scope of certification complies with the guidelines stated in the ASFP Red Book: 3<sup>rd</sup> Edition for 3<sup>rd</sup> party certification schemes.
2. This certification is provided to the client for its own purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.
3. This certification will set out our conclusion as to whether the information provided is sufficient to demonstrate compliance with the relevant standard. We cannot, and will not, opine upon whether Building Control will regard the certification as sufficient for any purpose. In accepting our quote you agree to us providing you with the certification without any guarantee as to whether it will be accepted by Building Control or any other authority as evidence of compliance with the Building Regulations or other relevant standards.
4. The product is approved on the basis of:
  - i) Initial type testing
  - ii) Audit testing at the frequency specified in TS40
  - iii) A design appraisal against TS40
  - iv) Inspection and surveillance of factory production control
  - v) Certification of quality management system to ISO 9001: 2008
5. The masonry, block or concrete walls and floors shall be at least 150mm thick and have at least the same fire rating as that required for the joint seal. Where appropriate timber stud wall elements must be at least 145mm thick.
6. Masonry, block and concrete gap faces will be within the density range of 450 to 2300kg/m<sup>3</sup>, and gap faces will be free from loose or flaking material.
7. Backing or support materials may be polyethylene, polyurethane or polyurethane foam, mineral or ceramic fibre insulation.
8. The movement capabilities of the system have been evaluated as per BS EN1366-4:2006 + A1: 2010 and detailed in the specific certificate below
9. The approval relates to ongoing production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

Further information regarding the details contained in this data sheet may be obtained from Nullifire Ltd. (Tel: 02476 855000).

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS476: Pt 20 Up to 120 min Walls

| Wall (masonry, block or concrete at least 150mm thick) Installations in Vertical or Horizontal Orientation |                                                     |                                                                                                                                                                           |                                        |                                                                                               |                  |                                |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------|------------------|--------------------------------|
| Product Name                                                                                               |                                                     |                                                                                                                                                                           | Nullifire FS702 Intumastic & FS702 ADL |                                                                                               |                  |                                |
| Configuration                                                                                              |                                                     | Max. Joint Width (mm)                                                                                                                                                     | Minimum Seal Depth (mm)                | Backing Material                                                                              | Integrity (mins) | Insulation (mins)              |
| Wall Constructions                                                                                         | Autoclaved aerated concrete/concrete/ masonry/block | 10                                                                                                                                                                        | 10                                     | Polyethylene/ polyurethane/ mineral fibre/ ceramic fibre 15 mm diameter/square (uncompressed) | 120              | 120                            |
|                                                                                                            |                                                     | 15                                                                                                                                                                        | 15                                     | Polyethylene/ polyurethane/ mineral fibre/ ceramic fibre 20 mm diameter/square (uncompressed) |                  |                                |
|                                                                                                            |                                                     | 20                                                                                                                                                                        | 20                                     | Polyethylene/ polyurethane/ mineral fibre/ ceramic fibre 25 mm diameter/square (uncompressed) |                  |                                |
|                                                                                                            |                                                     | 25                                                                                                                                                                        | 25                                     | Polyethylene/ polyurethane/ mineral fibre/ ceramic fibre 30 mm diameter/square (uncompressed) |                  |                                |
|                                                                                                            |                                                     | 30                                                                                                                                                                        | 12                                     | Stonewool (45kg/m <sup>3</sup> ) 25 mm deep                                                   | 120              | -                              |
|                                                                                                            |                                                     | 110                                                                                                                                                                       | 3                                      | Stonewool (60kg/m <sup>3</sup> ) 144 mm deep                                                  | 120              | 120                            |
| Application Technique                                                                                      |                                                     | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant may be applied to either face of the wall. |                                        |                                                                                               |                  |                                |
| Resistance to Smoke:                                                                                       |                                                     | Not evaluated by this approval                                                                                                                                            |                                        | Weather Capability:                                                                           |                  | Not evaluated by this approval |
| Acoustic Rating:                                                                                           |                                                     | Not evaluated by this approval                                                                                                                                            |                                        | Movement Capability:                                                                          |                  | Not evaluated by this approval |

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E/200

Issued: 4<sup>th</sup> August 2015  
Revised: 18<sup>th</sup> August 2020  
Valid to: 10<sup>th</sup> September 2023



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN 1366-4: 2006 Up to 240 min Walls

| Wall (masonry, block or concrete at least 150mm thick) Installations in Horizontal Orientation |                                                     |                                                                                                                                                                            |                                        |                                                                                                                               |                                |                   |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|
| Product Name                                                                                   |                                                     |                                                                                                                                                                            | Nullifire FS702 Intumastic & FS702 ADL |                                                                                                                               |                                |                   |
| Configuration                                                                                  |                                                     | Max. Joint Width (mm)                                                                                                                                                      | Minimum Seal Depth (mm)                | Backing Material                                                                                                              | Integrity (mins)               | Insulation (mins) |
| Wall Constructions                                                                             | Autoclaved aerated concrete/concrete/ masonry/block | 10                                                                                                                                                                         | 5                                      | Min 25mm deep x 12mm wide (uncompressed) 64Kg/m <sup>3</sup> density, Earthwool mineral fibre batt. (may include butt joints) | 240                            | 240               |
|                                                                                                |                                                     | 35                                                                                                                                                                         | 17                                     | Min 17mm deep x 40mm wide (uncompressed) 64Kg/m <sup>3</sup> density, Earthwool mineral fibre batt. (may include butt joints) |                                |                   |
| Application Technique                                                                          |                                                     | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant should be applied to both faces of the wall |                                        |                                                                                                                               |                                |                   |
| Resistance to Smoke:                                                                           |                                                     | Not evaluated by this approval                                                                                                                                             |                                        | Weather Capability:                                                                                                           | Not evaluated by this approval |                   |
| Acoustic Rating:                                                                               |                                                     | Not evaluated by this approval                                                                                                                                             |                                        | Movement Capability:                                                                                                          | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN 1366-4: 2006 Up to 240 min Walls

| Wall (masonry, block or concrete at least 100mm thick) Installations in Vertical Orientation |                                                                   |                                |                                                                                                                                                                            |                      |                                |                   |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|-------------------|
| Product Name                                                                                 |                                                                   |                                | Nullifire FS702 Intumastic & FS702 ADL                                                                                                                                     |                      |                                |                   |
| Configuration                                                                                |                                                                   | Max. Joint Width (mm)          | Minimum Seal Depth (mm)                                                                                                                                                    | Backing Material     | Integrity (mins)               | Insulation (mins) |
| Wall Constructions                                                                           | Autoclaved aerated concrete/concrete/ masonry/block               | 35                             | 17.5                                                                                                                                                                       | PE Backing Rod       | 240                            | 240               |
|                                                                                              |                                                                   | 35                             | 35                                                                                                                                                                         |                      | 240                            | 240               |
|                                                                                              |                                                                   | 50                             | 17.5                                                                                                                                                                       |                      | 240                            | 90                |
|                                                                                              | Autoclaved aerated concrete/concrete/ masonry/block – Steel plate | 35                             | 17.5                                                                                                                                                                       |                      | 240                            | 120               |
|                                                                                              |                                                                   | 35                             | 35                                                                                                                                                                         |                      | 240                            | 90                |
|                                                                                              | Autoclaved aerated concrete/concrete/ masonry/block – Softwood    | 35                             | 17.5                                                                                                                                                                       |                      | 120                            | 120               |
|                                                                                              |                                                                   | 35                             | 35                                                                                                                                                                         |                      | 180                            | 180               |
|                                                                                              | Application Technique                                             |                                | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant should be applied to both faces of the wall |                      |                                |                   |
| Resistance to Smoke:                                                                         |                                                                   | Not evaluated by this approval |                                                                                                                                                                            | Weather Capability:  | Not evaluated by this approval |                   |
| Acoustic Rating:                                                                             |                                                                   | Not evaluated by this approval |                                                                                                                                                                            | Movement Capability: | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN 1366-4: 2006 Up to 240 min Walls

| Wall (masonry, block or concrete at least 150mm thick) Installations in Horizontal Orientation |                                                                      |                                                                                                                                                                                                                                                                                                |                                        |                                                                                                                               |                                |                   |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------|
| Product Name                                                                                   |                                                                      |                                                                                                                                                                                                                                                                                                | Nullifire FS702 Intumastic & FS702 ADL |                                                                                                                               |                                |                   |
| Configuration                                                                                  |                                                                      | Max. Joint Width (mm)                                                                                                                                                                                                                                                                          | Minimum Seal Depth (mm)                | Backing Material                                                                                                              | Integrity (mins)               | Insulation (mins) |
| Wall Constructions                                                                             | Autoclaved aerated concrete/concrete/masonry/block                   | 10                                                                                                                                                                                                                                                                                             | 5                                      | Min 25mm deep x 12mm wide (uncompressed) 64Kg/m <sup>3</sup> density, Earthwool mineral fibre batt. (may include butt joints) | 240 <sup>1</sup>               | 240 <sup>1</sup>  |
|                                                                                                |                                                                      | 35                                                                                                                                                                                                                                                                                             | 17                                     | Min 17mm deep x 40mm wide (uncompressed) 64Kg/m <sup>3</sup> density, Earthwool mineral fibre batt. (may include butt joints) |                                |                   |
|                                                                                                | Autoclaved aerated concrete/concrete/masonry/block (min 100mm thick) | 50                                                                                                                                                                                                                                                                                             | 17.5                                   | PE Backing Rod                                                                                                                | 240 <sup>2</sup>               | 90 <sup>2</sup>   |
| Application Technique                                                                          |                                                                      | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant should be applied to both faces of the wall <sup>1</sup> Or the unexposed face of the wall <sup>2</sup> as denoted by the prefix <sup>1</sup> or <sup>2</sup> . |                                        |                                                                                                                               |                                |                   |
| Resistance to Smoke:                                                                           |                                                                      | Not evaluated by this approval                                                                                                                                                                                                                                                                 |                                        | Weather Capability:                                                                                                           | Not evaluated by this approval |                   |
| Acoustic Rating:                                                                               |                                                                      | Not evaluated by this approval                                                                                                                                                                                                                                                                 |                                        | Movement Capability:                                                                                                          | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN1366-3: 2009 Up to 120 min Walls

| Wall (concrete/aerated concrete/partition at least 130mm thick) |                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                         |                            |                                |                   |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------|--------------------------------|-------------------|
| Product Name                                                    |                                                                                                                                                                                                                                                                                                                                                                                  | Nullifire FS702 Intumastic & FS702 ADL                                                  |                            |                                |                   |
| Pipe Size and Type                                              | FS702 Sealant Dimensions                                                                                                                                                                                                                                                                                                                                                         | Backing material                                                                        | Minimum Wall Thickness     | Integrity (mins)               | Insulation (mins) |
| *Steel Pipe<br>60mm $\varnothing$ x<br>4.5mm wall<br>thickness  | 0 - 50mm<br>annulus x 6mm<br>deep to both<br>faces                                                                                                                                                                                                                                                                                                                               | 50mm deep<br>Earthwool<br>64kg/m <sup>3</sup> to<br>both faces                          | 130mm                      | 120                            | 90                |
| *Steel Pipe<br>160mm $\varnothing$ x 4mm<br>wall thickness      | 0-50mm<br>annulus x 6mm<br>deep to both<br>faces                                                                                                                                                                                                                                                                                                                                 | 50mm deep<br>Earthwool<br>64kg/m <sup>3</sup> to<br>both faces                          | 130mm                      | 120                            | 30                |
| Cable Box                                                       | Penetrations                                                                                                                                                                                                                                                                                                                                                                     | Backing material                                                                        | FS702 Sealant dimensions   |                                |                   |
| Steel cable box<br>340mm wide x<br>140mm high x<br>300mm deep   | 2 off 450mm x<br>50mm high<br>performed<br>cable tray.<br>2 x type 'E'<br>cables, 10 x<br>type 'A1'<br>cables, 10 x<br>type 'A2'<br>cables, 1 x type<br>'G2' cables                                                                                                                                                                                                              | 288mm deep<br>Earthwool<br>64kg/m <sup>3</sup><br>internally<br>within the<br>cable box | 6mm thick to both<br>faces | 120                            | 90                |
| Application Technique                                           | The hole for the pipe shall be drilled to suit the required annular space. The pipe shall then be positioned centrally within the hole and the remaining annular space filled as per the specification above. *The 0.7mm GI Sleeve to line the aperture created within the partition.                                                                                            |                                                                                         |                            |                                |                   |
| Service Coat Back                                               | Not Required                                                                                                                                                                                                                                                                                                                                                                     |                                                                                         |                            |                                |                   |
| Walls                                                           | The wall shall be a minimum 130mm thick. Drywalls shall comprise 2 layers of 'Type F' Gypsum board to both faces, with minimum 70mm studs. Masonry/concrete walls shall have a minimum density for concrete or brick of 780kg/m <sup>3</sup> and for aerated concrete blocks of 600kg/m <sup>3</sup> . All walls shall have at least the same rating as the pipe closure system. |                                                                                         |                            |                                |                   |
| Support Requirements                                            | Services shall be rigidly supported via steel angles, hangers or channels not further than 500mm on the unexposed face of the floor                                                                                                                                                                                                                                              |                                                                                         |                            |                                |                   |
| Resistance to Smoke:                                            | Not evaluated by this approval                                                                                                                                                                                                                                                                                                                                                   |                                                                                         | Weather Capability:        | Not evaluated by this approval |                   |
| Acoustic Rating:                                                | Not evaluated by this approval                                                                                                                                                                                                                                                                                                                                                   |                                                                                         | Movement Capability:       | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS 476 Pt-20 Floors Up to 120 mins

| Floor (concrete/aerated concrete at least 150mm thick) |                                                                                |                                                                                                                                                                           |                                        |                                                                    |                                |                   |
|--------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------|--------------------------------|-------------------|
| Product Name                                           |                                                                                |                                                                                                                                                                           | Nullifire FS702 Intumastic & FS702 ADL |                                                                    |                                |                   |
| Configuration                                          |                                                                                | Max. Joint Width (mm)                                                                                                                                                     | Minimum Seal Depth (mm)                | Backing Material                                                   | Integrity (mins)               | Insulation (mins) |
| Floor Constructions                                    | Aerated concrete/concrete                                                      | 110                                                                                                                                                                       | 3                                      | Stonewool (60kg/m <sup>3</sup> ) compressed by 50% and 100 mm deep | 120                            | 120               |
|                                                        | Aerated concrete/concrete penetrated by 165 mm Ø by 5 mm wall, mild steel pipe | 210 Ø                                                                                                                                                                     | 6                                      | Stonewool (45kg/m <sup>3</sup> ) 25 mm deep                        | 120                            | 0                 |
| Application Technique                                  |                                                                                | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant is applied to the upper face of the floor. |                                        |                                                                    |                                |                   |
| Resistance to Smoke:                                   |                                                                                | Not evaluated by this approval                                                                                                                                            |                                        | Weather Capability:                                                | Not evaluated by this approval |                   |
| Acoustic Rating:                                       |                                                                                | Not evaluated by this approval                                                                                                                                            |                                        | Movement Capability:                                               | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN 1366-4: 2006 Up to 240 min Floors

| Floor ( concrete at least 150mm thick) |                                                                   |                                |                                                                                                                                                                           |                      |                                |                   |
|----------------------------------------|-------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------|-------------------|
| Product Name                           |                                                                   |                                | Nullifire FS702 Intumastic & FS702 ADL                                                                                                                                    |                      |                                |                   |
| Configuration                          |                                                                   | Max. Joint Width (mm)          | Minimum Seal Depth (mm)                                                                                                                                                   | Backing Material     | Integrity (mins)               | Insulation (mins) |
| Floor Constructions                    | Aerated concrete/concrete/ masonry/                               | 35                             | 30                                                                                                                                                                        | PE Backing Rod       | 120                            | 120               |
|                                        |                                                                   | 35                             | 50                                                                                                                                                                        |                      | 240                            | 240               |
|                                        | Autoclaved aerated concrete/concrete/ masonry/block – Steel plate | 35                             | 30                                                                                                                                                                        |                      | 240                            | 30                |
|                                        |                                                                   | 50                             | 35                                                                                                                                                                        |                      | 240                            | 45                |
|                                        | Autoclaved aerated concrete/concrete/ masonry/block – Softwood    | 35                             | 30                                                                                                                                                                        |                      | 240                            | 90                |
|                                        |                                                                   | 35                             | 50                                                                                                                                                                        |                      | 240                            | 180               |
|                                        | Application Technique                                             |                                | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant is applied to the upper face of the floor. |                      |                                |                   |
| Resistance to Smoke:                   |                                                                   | Not evaluated by this approval |                                                                                                                                                                           | Weather Capability:  | Not evaluated by this approval |                   |
| Acoustic Rating:                       |                                                                   | Not evaluated by this approval |                                                                                                                                                                           | Movement Capability: | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN1366-4: 2006 Up to 240 min Floors

| Floor (concrete/aerated concrete at least 150mm thick) |                           |                                                                                                                                                                           |                                        |                                                                                                 |                  |                                |
|--------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------|------------------|--------------------------------|
| Product Name                                           |                           |                                                                                                                                                                           | Nullifire FS702 Intumastic & FS702 ADL |                                                                                                 |                  |                                |
| Configuration                                          |                           | Max. Joint Width (mm)                                                                                                                                                     | Minimum Seal Depth (mm)                | Backing Material                                                                                | Integrity (mins) | Insulation (mins)              |
| Floor Construction                                     | Aerated concrete/concrete | 200                                                                                                                                                                       | 3                                      | Stonewool (64kg/m <sup>3</sup> ) compressed by 5% and min100 mm deep.(may include butt joints)  | 180              | 180                            |
|                                                        |                           | 35                                                                                                                                                                        | 35                                     | Stonewool (64kg/m <sup>3</sup> ) compressed by 23% and min 25 mm deep.(may include butt joints) | 240              | 240                            |
| Application Technique                                  |                           | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant is applied to the upper face of the floor. |                                        |                                                                                                 |                  |                                |
| Resistance to Smoke:                                   |                           | Not evaluated by this approval                                                                                                                                            |                                        | Weather Capability:                                                                             |                  | Not evaluated by this approval |
| Acoustic Rating:                                       |                           | Not evaluated by this approval                                                                                                                                            |                                        | Movement Capability:                                                                            |                  | Not evaluated by this approval |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN1366-4: 2006 + A1: 2010 Up to 240 min Floors

| Floor (concrete/aerated concrete at least 150mm thick) |                           |                                                                                                                                                                           |                                        |                                                                                                 |                                                        |                                     |                   |
|--------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|-------------------|
| Product Name                                           |                           |                                                                                                                                                                           | Nullifire FS702 Intumastic & FS702 ADL |                                                                                                 |                                                        |                                     |                   |
| Configuration                                          |                           | Joint Width (mm)                                                                                                                                                          | Minimum Seal Depth (mm)                | Backing Material                                                                                | Movement                                               | Integrity (mins)                    | Insulation (mins) |
| Floor Construction                                     | Aerated concrete/concrete | 100                                                                                                                                                                       | 3                                      | Stonewool (64kg/m <sup>3</sup> ) compressed by 25% and min100 mm deep.(may include butt joints) | +/- 15% Induced before, during and after the fire test | 240                                 | 240               |
| Application Technique                                  |                           | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant is applied to the upper face of the floor. |                                        |                                                                                                 |                                                        |                                     |                   |
| Resistance to Smoke:                                   |                           | Not evaluated by this approval                                                                                                                                            |                                        | Weather Capability:                                                                             |                                                        | Not evaluated by this approval      |                   |
| Acoustic Rating:                                       |                           | Not evaluated by this approval                                                                                                                                            |                                        | Movement Capability:                                                                            |                                                        | BS EN1366-4: 2006 + A1: 2010 +/-15% |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN1366-3: 2009 Up to 120 min Floors

| Floor (concrete/aerated concrete at least 150mm thick)  |                                                                                                                                                                                                                                                                                                     |                                          |                             |                                |                   |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------|--------------------------------|-------------------|
| Product Name                                            |                                                                                                                                                                                                                                                                                                     | Nullifire FS702 Intumastic & FS702 ADL   |                             |                                |                   |
| Pipe Size and Type                                      | FS702 Sealant Dimensions                                                                                                                                                                                                                                                                            | Backing material                         | Minimum Floor Thickness     | Integrity (mins)               | Insulation (mins) |
| *Steel Pipe<br>50mm $\varnothing$ x 5mm wall thickness  | 0-50mm annulus x 3mm deep to the unexposed face                                                                                                                                                                                                                                                     | 100mm deep Earthwool 64kg/m <sup>3</sup> | 150mm                       | 120                            | 90                |
| *Steel Pipe<br>220mm $\varnothing$ x 8mm wall thickness | 0-50mm annulus x 3mm deep to the unexposed face                                                                                                                                                                                                                                                     | 100mm deep Earthwool 64kg/m <sup>3</sup> | 150mm                       | 120                            | 90                |
| <b>Application Technique</b>                            | The hole for the pipe shall be drilled to suit the required annular space. The pipe shall then be positioned centrally within the hole and the remaining annular space filled as per the specification above. *The 0.7mm steel GI sleeve to line the aperture created within the floor is optional. |                                          |                             |                                |                   |
| <b>Service Coat Back</b>                                | Not Required                                                                                                                                                                                                                                                                                        |                                          |                             |                                |                   |
| <b>Support Requirements</b>                             | Services shall be rigidly supported via steel angles, hangers or channels not further than 500mm on the unexposed face of the floor                                                                                                                                                                 |                                          |                             |                                |                   |
| <b>Resistance to Smoke:</b>                             | Not evaluated by this approval                                                                                                                                                                                                                                                                      |                                          | <b>Weather Capability:</b>  | Not evaluated by this approval |                   |
| <b>Acoustic Rating:</b>                                 | Not evaluated by this approval                                                                                                                                                                                                                                                                      |                                          | <b>Movement Capability:</b> | Not evaluated by this approval |                   |



## CERTIFICATE No CF 5347 TREMCO CPG UK LIMITED

### Nullifire FS702 Intumastic & FS702 ADL - Approval Matrix BS EN 1366-4: 2006 Up to 120 min Walls

Wall ( timber stud faced with 2 x 12.5mm layers of plasterboard on each face. Timber studs minimum 95mm wide x 45mm thick and (masonry, block or concrete at least 150mm thick). Installations in Vertical Orientation

| Product Name          |                                                                                                                                   | Nullifire FS702 Intumastic & FS702 ADL                                                                                                                                                           |                         |                                                                                 |                                |                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------|--------------------------------|-------------------|
| Configuration         |                                                                                                                                   | Max. Joint Width (mm)                                                                                                                                                                            | Minimum Seal Depth (mm) | Backing Material                                                                | Integrity (mins)               | Insulation (mins) |
| Wall Constructions    | Masonry, concrete or block element to timber stud element or masonry, block, concrete element to masonry, block, concrete element | 40                                                                                                                                                                                               | 25                      | Min 40mm diameter Pe foam rod                                                   | 120                            | 120               |
|                       |                                                                                                                                   | 30                                                                                                                                                                                               | 15                      | Min 50mm deep x 30mm wide (uncompressed) 64Kg/m <sup>3</sup> density, stonewool |                                |                   |
| Application Technique |                                                                                                                                   | For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed. The sealant should be applied to both faces of the wall                       |                         |                                                                                 |                                |                   |
| Limitations           |                                                                                                                                   | Seal can be used to seal linear gaps between two masonry elements and between masonry elements and timber stud constructions only. The height of any timber stud element should not exceed 1.5m. |                         |                                                                                 |                                |                   |
| Resistance to Smoke:  |                                                                                                                                   | Not evaluated by this approval                                                                                                                                                                   | Weather Capability:     |                                                                                 | Not evaluated by this approval |                   |
| Acoustic Rating:      |                                                                                                                                   | Not evaluated by this approval                                                                                                                                                                   | Movement Capability:    |                                                                                 | Not evaluated by this approval |                   |