



## CERTIFICATE OF APPROVAL

### No CF 5325

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

## NULLIFIRE/TREMCO ILLBRUCK LIMITED

**Coupland Road, Hindley Green, Wigan, WN2 4HT UK**  
**Tel: 02476855000**

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

#### CERTIFIED PRODUCT

#### TECHNICAL SCHEDULE

**Nullifire FF170/177/197 PU Fire  
Rated Foam**

**TS03**

**Signed and sealed for and on behalf of CERTIFIRE**



Sir Ken Knight  
Chairman - Management Council  
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Issued: 30<sup>th</sup> April 2015  
Valid to: 29<sup>th</sup> April 2020





## CERTIFICATE No CF 5325


### NULLIFIRE/TREMCO ILLBRUCK LIMITED

#### Nullifire FF170/177/197 PU Fire Rated Foam

1. This approval relates to the use of Nullifire FF170/177/197 PU Fire Rated Foam linear joint and penetration sealing systems for the fire protection of movement joints within walls and floors. The detailed scope is given in the Approval Matrix included in this Certificate. This shows the thickness, width and reference for Nullifire FF170/177/197 PU Fire Rated Foam linear joint and penetration sealing systems required to provide fire resistance periods in accordance with BS EN 1366-4: 2006 of up to 240 minutes for wall/floor constructions.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.'
3. The product is approved on the basis of:
  - i) Initial type testing
  - ii) Audit testing at the frequency specified in TS03
  - iii) A design appraisal against TS03
  - iv) Inspection and surveillance of factory production control
3. The walls and floors shall be at least 150mm thick and have at least the same fire rating as that required for the penetration seal.
4. Block/masonry 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. Softwood gap faces will be minimum 450 kg/m<sup>3</sup> density and hardwood gap faces will be minimum 600 kg/m<sup>3</sup> density.
5. 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 (Tel: 02476855000).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777, website: [www.warringtoncertification.com](http://www.warringtoncertification.com))



## CERTIFICATE No CF 5325 NULLIFIRE/TREMCO ILLBRUCK LIMITED

### Nullifire FF170/177/197 PU Fire Rated Foam - Approval Matrix

Floor Installations 150 mm thick (min.)					
Nullifire FF170/177/197 PU Fire Rated Foam					
Joint Width mm	PU Foam Depth (mm)	Coating	Gap Face Material	Integrity (mins)	Insulation (mins)
0-30	150	N/A	AAC/AAC	90	90
0-5				240	240
0-5		1mm Nullifire FS711 to the upper face		240	240
0-40				60	60
Application Technique	Fill full depth of opening with Nullifire FF170/177/197 PU Fire Rated Foam. Apply sealant where applicable and smooth to finish				
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	

AAC - Autoclaved aerated concrete  
PE - Polyethylene

## CERTIFICATE No CF 5325

### NULLIFIRE/TREMCO ILLBRUCK LIMITED

#### Nullifire FF170/177/197 PU Fire Rated Foam - Approval Matrix

Wall Installations 150 mm thick (min.)					
Nullifire FF170/177/197 PU Fire Rated Foam					
Joint Width mm	PU Foam Depth (mm)	Coating	Gap Face Material	Integrity (mins)	Insulation (mins)
0-5	150	N/A	AAC/AAC	240	240
0-30				90	90
0-40				60	60
0-20		1mm Nullifire FS711 to both faces	240	240	
0-10		N/A	AAC- Softwood	180	180
0-30		Softwood Architrave both faces 50mm wide x 15mm thick		180	180
Application Technique	Fill full depth of opening with Nullifire FF170/177/197 PU Fire Rated Foam. Apply sealant where applicable and smooth to finish				
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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### NULLIFIRE/TREMCO ILLBRUCK LIMITED

#### Nullifire FF170/177/197 PU Fire Rated Foam - Approval Matrix

Wall Installations 100 mm thick (min.)					
Nullifire FF170/177/197 PU Fire Rated Foam					
Joint Width mm	PU Foam Depth (mm)	Coating	Gap Face Material	Integrity (mins)	Insulation (mins)
0-5	100	N/A	AAC/AAC	180	180
0-30				45	45
0-5		1mm Nullifire FS711 to both faces		180	180
Application Technique	Fill full depth of opening with Nullifire FF170/177/197 PU Fire Rated Foam. Apply sealant where applicable and smooth to finish				
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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### NULLIFIRE/TREMCO ILLBRUCK LIMITED

#### Nullifire FF170/177/197 PU Fire Rated Foam - Approval Matrix

Wall Installations 150 mm thick (min.)				
Nullifire FF170/177/197 PU Fire Rated Foam				
Aperture Size (mm)	Seal Composition	Services	Integrity (mins)	Insulation (mins)
62mm diameter	Stone wool 50 mm thick 96 kg/m <sup>3</sup> . Coated with 50mm PU Foam both faces	1 off type C2 Cable	240	15
		Steel pipe 42mm diameter with 3.5-14.2mm wall thickness	240	60
<b>Application Technique</b>	Insert stone wool to the required depth and coat both faces with PU foam			
<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	