

Passive Fire Protection

For Construction Joints, Gaps and Service Penetrations



FIRE STOPPING COMPLIANT FIRE STOPPING SOLUTIONS. FOR TOTAL PEACE OF MIND.

Nulli-fire®

Introducing Nullifire

Better passive protection from fire

No one knows more than Nullifire about fire protection in buildings.

We have been pioneering intumescent technology and passive fire protection solutions for over 40 years, with an unchanging central focus: **to save lives, protect property and minimise business losses.**

Today, Nullifire is recognised as one of Europe's leading developers and manufacturers of intumescent fire protective coatings and Fire Stopping products, and is seen as an authority in this specialist field. We have led the industry in the development of new technologies, such as waterborne thin film systems, with a constant focus on providing easy to use, safe, eco-conscious products.

Part of tremco illbruck Group

The tremco illbruck Group is focused on providing product solutions for the protection of buildings. We are a leading provider of sealing, weatherproofing and fire protection solutions to construction professionals across Europe.

Our application expertise is backed by many thousands of proprietary products under strong premium brands such as Tremco, illbruck and Nullifire, which stand for innovative, reliable products and unrivalled services

Nullifire is a core brand within the tremco illbruck Group, which is totally focussed on passive fire protection solutions.

Comprehensive Fire Stopping range

Alongside our market leading Intumescent coatings for the protection of steel structures, Nullifire offers a comprehensive range of fire stopping products, providing passive fire protection solutions to construction movement joints, gaps and service penetrations.

Certification & Accreditation

These products have been fully tested and approved to the latest European Standards, providing some of the highest levels of product certification. Installing Nullifire products will provide a system that is not only fit for purpose today, but will meet changing legislation in the future.



BMTRADA



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For every application

We can provide a system solution you can trust, and the most complete service expertise to assist where required.

In this brochure, you will find all the essential information about each Nulli-fire fire stopping product: its typical applications, key properties and performance data, certifications and installation guidance.

Selection assistance may be found via the Product Selector (pages 6-7). For specific queries and additional advice, see the contact details on the back cover.



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Product selector	6-7	FB760	14	FF177	20
WALL & FLOOR PENETRATION SEALING		Flexible intumescent seal bags, for temporary and permanent multiple service penetrations		Hand held PU foam gap filler, seals gaps and joints up to 40 mm	
FB747	8	FO100	15	FF197	20
Coated mineral fibre batt system, for wall & floor multiple service penetrations		Electrical box putty pads, reinstates fire and acoustic integrity of metallic, plastic electrical and multi-media sock boxes		Gun grade PU foam gap filler, seals gaps and joints up to 40 mm	
FR270	9	SPECIALIST SEALANTS & MOVEMENT GAP SEALS		FS711	21
Fast-curing high strength structural compound, for multiple service penetrations		FS700	16	Trowel grade acrylic mastic, coatback around penetrating services and sealing of joints	
FR220	10	Dynamic movement joint sealant, provides flexible dynamic seal at positions where a high degree of building movement is expected		FS721	21
Fast-curing structural compound, for multiple service penetrations		FJ200	17	Spray grade acrylic mastic, coating for mineral fibre boards/coatings around services	
PIPE AND CABLE PENETRATION CLOSING		Linear expansion joint seal (High Density), for linear movement joints up to 150mm, accommodates up to 50% movement		LARGE CAVITY BARRIERS	
FS705	11	LINEAR MOVEMENT AND BUILDING GAP SEALS		FB805/FB810	22
Intumescent mastic, seals gaps around metallic penetration, and closes off plastic pipe up to 125 mm in diameter		FS701	18	Lightweight flexible fire curtain, for large unsupported openings	
FP150	12	Flexible acrylic gap and joint sealant, for rigid or low movement joints			
Surface mounted pipe collar, closes off plastic pipes up to 160 mm in diameter					

Cover photograph courtesy of CLM Fireproofing - British Museum





Product selector

This selector gives you an at-a-glance overview of the complete Nullifire Firestopping range. Before referring to more detailed information about each product, use the selector to:

- Review and compare products and their specific functions
- Find suitable products for specific applications
- Always check the product application or technical data sheet for specific guidance and instructions.

PRODUCT NAME	DESCRIPTION
WALL & FLOOR PENETRATION SEALING	
FB747-50	Coated mineral fibre batt fire stop system. For wall & floor multiple-service penetrations
FB747-60	Coated mineral fibre batt fire stop system. For wall & floor multiple-service penetrations
FR270	Fast-curing load-bearing fire stop compound – high strength. For multiple-service penetrations
FR220	Fast-curing fire stop compound. For multiple-service penetrations
PIPE AND CABLE PENETRATION CLOSING	
FS705	Graphite-based intumescent sealant. For plastic and insulated pipe service penetration
FP150	Surface-mounted, steel, intumescent pipe collar. For plastic pipe penetrations
FP300	Self-adhesive intumescent pipe wrap. For plastic pipe penetrations
FB760	Intumescent seal bags. For multiple-service penetrations, temporary and permanent
FO100	Non-setting, silicone-based intumescent putty pad. For single/double metal and plastic socket boxes
SPECIALIST SEALANTS & MOVEMENT GAP SEALS	
FS700	Flexible fire-resistant acrylic sealant. For movement joints
FJ200	Moisture-resistant, flexible, intumescent gap seal – high density compressible strip. For building movement joints
LINEAR MOVEMENT AND BUILDING GAP SEALS	
FS701	Fire-resistant acrylic sealant – with air permeability and acoustic performance. For rigid or low movement joints
FS703	Fire-resistant alkoxy elastomeric sealant – with air permeability and acoustic performance. For medium-to-high movement joints
FF177	Fire-rated PU foam – hand held. For joints and gaps up to 40 mm - including pipe and cable
FF197	Fire-rated PU foam – gun grade. For joints and gaps up to 40 mm - including pipe and cable
FS711	Fire-resistant acrylic sealant – spray grade. For coating mineral fibre board and around services
FS721	Fire-resistant acrylic sealant – trowel-applied/coatback. For coating around penetrating services and joint sealing
LARGE CAVITY BARRIERS	
FB805	Lightweight, flexible fire curtain – 30-minute. For large openings
FB810	Lightweight, flexible fire curtain – 2-hour. For large openings

		Linear joint	Blank seal	Cables/tray	Electrical trunking	Ducting/dampers	Metallic pipes	Plastic pipes	Electrical sockets	Fire BS 476	Fire EN 1366	Acoustic BS EN ISO 140-3	Air permeability EN 1026	Load-bearing capacity	Movement capability (up to)	Moisture resistance	
	FIRE RATING (UP TO)	APPLICATION								CERTIFICATION				ADDITIONAL PROPERTIES			Page No.
	4 hours		•	•	•	•	•	•		•	•	•					8
	2 hours		•	•	•	•	•				•	•					8
	4 hours		•	•	•	•	•	•		•	•	•	•	•			9
	4 hours		•	•	•	•	•	•		•	•	•	•	•			10
	2 hours			•			•	•			•	•					11
	4 hours							•		•	•						12
	4 hours							•		•	•						13
	2 hours		•	•	•	•	•	•		•	•						14
	2 hours			•					•	•	•	•	•				15
	3 hours	•	•								•	•	•		12.5%	•	16
	2 hours	•								•	•	•	•		50%	•	17
	4 hours	•	•	•	•	•	•			•	•	•	•		7.5%		28
	4 hours	•	•			•	•			•	•	•	•		12.5%	•	19
	4 hours	•								•	•	•	•				20
	4 hours	•								•	•	•	•				20
	4 hours	•	•		•	•	•			•	•	•	•		7.5%		21
	4 hours	•	•		•	•	•			•	•	•	•		7.5%		21
	30 mins		•	•	•		•			•							22
	2 hours		•	•	•		•			•							22

FB747

Coated Batts



FOR MULTIPLE-SERVICE PENETRATIONS

Nullfire FB747 is a lightweight **50 mm** (FB747-50) or **60 mm** (FB747-60) fire barrier comprising of a mineral fibre board coated with an elastomeric, ablative water based sealant. In the event of a fire, FB747 prevents the passage of fire and smoke by reinstating the compartment floor or wall when penetrated by building services. This system also provides thermal, acoustic and air sealing performance.

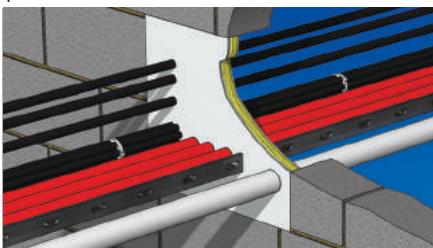
Key features FB747-50

(50 mm 140 kg/m³)

- Easy, fast installation
- Excellent adhesion eliminates delaminating
- Suitable for walls and floors
- Assumed working life of 10 years (ETAG 026)

Typical Applications

Wall – Vertical single batt multiple penetrations



- Can be used in large unsupported openings
- Up to 63 dB (CE)

Key features FB747-60

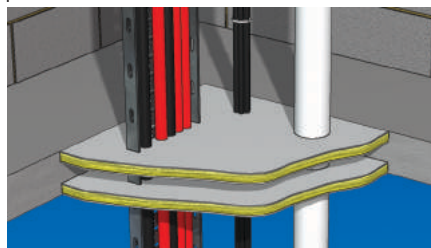
(60 mm 160 kg/m³)

- Easy, fast installation
- No coat back required
- Excellent adhesion eliminates delaminating
- Suitable for walls and floors
- Can be used in large openings

Permissible services

- Single and bunched cables
- Cable trays
- Cable ladders
- Trunking
- Blank openings
- Ducting/dampers
- Metallic pipes
- Plastic pipes

Floor slab – Horizontal double Batt multiple penetrations



Typical substrates

- Masonry wall
- Drywall
- Masonry floor
- Timber floor

Testing and certification

Fire performance

FB747-50

- Up to 4 hours fire resistance
- EN 1366-3
- CE ETAG - 026
- Air Permeability EN1314-1 600Pa
- Classified EN 13501-2

FB747-60

- Tested in accordance with EN 1366-3, BS 476
- Up to 2 hours fire resistance
- CE ETAG-026

Acoustic performance

- Tested in accordance with EN ISO 140-3

Specify this Nullfire Product

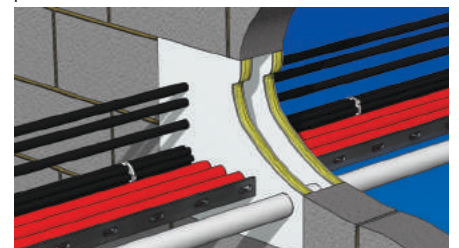
Nullfire System FB747 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullfire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.



Wall – Vertical double Batt multiple penetrations



FR270

Fire Rated Structural Compound



FOR LOAD-BEARING & NON LOAD-BEARING MULTIPLE- SERVICE PENETRATIONS

Nullifire FR270 is a single part gypsum based compound providing up to 4 hours fire resistance. FR270 is designed to re-instate the fire resistance of the compartment wall or floor, whilst providing an unsupported load-bearing capacity, up to a 1800 mm span, in accordance with BS 6399-1:1996 minimum requirements. This system also provides thermal, acoustic and air sealing performance.



Key features

- Up to 4 hours fire resistance
- Up to 2.5k N/m² (UDL), unsupported
- Easy, fast installation
- Assumed working life of 25 years (ETAG 026)
- Load-bearing seal up to 1800 mm effective span by any length
- Quick setting
- Zero shrinkage
- Easily re-penetrable
- Suitable for walls and floors
- Offers effective support to dampers/ductwork
- Acoustics up to 52 dB

Permissible services

- Single and bunched cables
- Cable trays
- Cable ladders

- Trunking
- Blank openings
- Unsupported multiple ducting/damper penetrations
- Metallic pipes
- Plastic pipes*

*With use of FP300/FP150

Typical substrates

- Masonry wall
- Service risers
- Load bearing floors

Testing and certification

Fire performance

- Tested in accordance with PrEN 1366-3 and BS 476-Pt20, Classified EN 13501-2
- Up to 4 hours fire resistance
- CE ETAG-026

Acoustic performance

- Tested in accordance with BS ISO 140-3

Specify this Nullifire Product

Nullifire System FR270 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

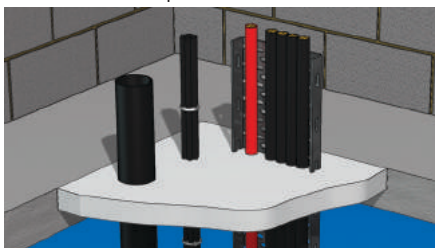
Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

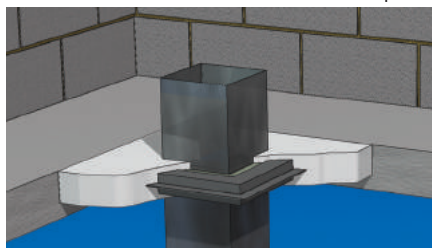


Typical Applications

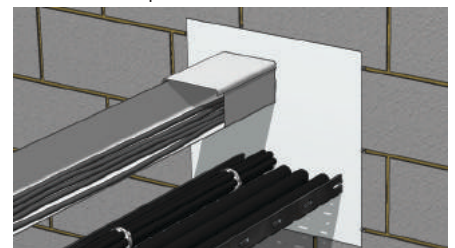
Horizontal – Multiple services



Horizontal/vertical – HVAC duct and damper



Vertical – Multiple services



FR220

Fire Rated Compound



FOR LOAD-BEARING & NON LOAD-BEARING MULTIPLE-SERVICE PENETRATIONS

Nullifire FR220 is a single part gypsum based compound providing up to 4 hours fire resistance. FR220 is designed to re-instate the fire resistance of the compartment wall or floor, whilst providing an unsupported load-bearing capacity, up to a 700 mm span, in accordance with BS 6399-1:1996 minimum requirements. This system also provides thermal, acoustic and air sealing performance.

Key features

- Up to 4 hours fire resistance
- Up to 2.5 kN/m² (UDL), unsupported
- Easy, fast installation

- Assumed working life 25 years (ETAG 0126)
- Load-bearing seal up to 700 mm effective span by any length
- Quick setting
- Zero shrinkage
- Acoustics up to 47 dB
- Easily re-penetrable
- Suitable for walls and floors
- Offers effective support to dampers/ductwork

Permissible services

- Single and bunched cables
- Cable trays
- Cable ladders
- Trunking

- Blank openings
- Ducting/dampers
- Metallic pipes
- Plastic pipes*

*With use of FP300/FP150

Typical substrates

- Masonry wall/floor
- Service risers

Testing and certification

Fire performance

- Tested in accordance with EN 1366-3 and BS 476-Pt20
- Up to 4 hours fire resistance
- Classification EN 13501
- CE ETAG 026

Acoustic performance

- Tested in accordance with EN ISO 140-3

Specify this Nullifire Product

Nullifire System FR220 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

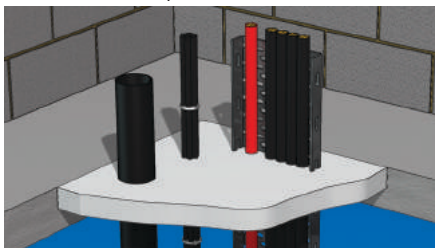
Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

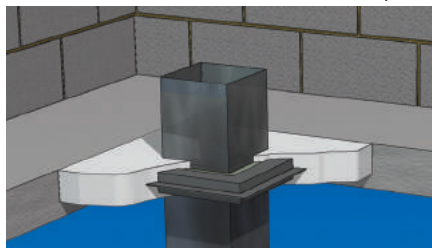


Typical Applications

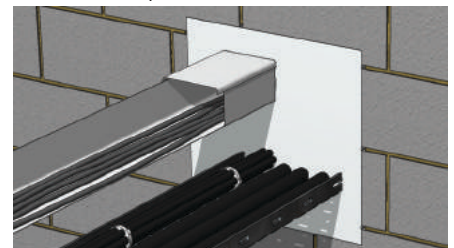
Horizontal – Multiple services



Horizontal/vertical – HVAC duct and damper



Vertical – Multiple services



FS705

Intumescent Sealant



FOR COMBUSTIBLE & NON-COMBUSTIBLE PENETRATIONS

Nullifire FS705 is a single part, graphite based fire resistant intumescent sealant. FS705 is designed to close off gaps and penetrations in compartment walls and floors, to provide up to 2 hours fire resistance. This product has also been designed to close off plastic pipe penetrations, negating the need for pipe closers or wrap systems.

Key features

- Up to 2 hours fire resistance
- Replaces the need for wrap or collar up to 125 mm diameter
- Quick and easy to use
- Acoustics Up to 63 dB
- Suitable for a wide range of penetrating items and substrates
- Excellent tool ability and low slump characteristics
- Assumed working of life 10 years (ETAG 026)
- Low shrinkage

Joint substrates

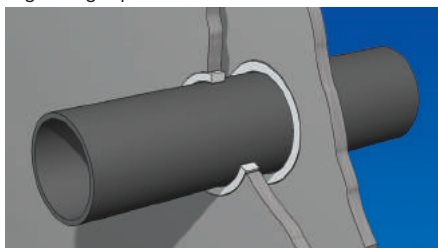
- Masonry walls/floors
- Drywall
- In conjunction with Nullifire B747 Coated Batt System

Permissible services up to 125 mm diameter

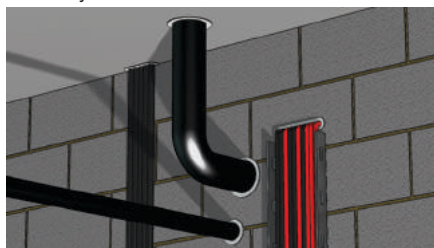
- PVC pipes
- UPVC pipes
- ABS pipes

Typical Applications

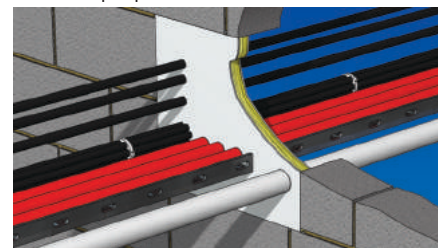
Lightweight partition



Masonry wall



Batt multiple penetrations



- PE pipes
- PP pipes
- Composite pipes
- Various single and bunched cables
- Insulated steel pipes
- Cable trays and cable ladders
- Linear joints

Testing and certification

Fire performance

- Tested in accordance with EN 1366-3 and EN1366-4
- Up to 2 hours fire resistance
- Classification EN 13501
- CE ETAG-026

Acoustic performance

- Tested in accordance with EN ISO 140-3

Air permeability performance

- Tested in accordance with EN 1026 to 600 Pa

Specify this Nullifire Product

Nullifire System FS705 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.



FP150

Pipe Collar



FOR UPVC, PVC, ABS, PP, PE AND COMPOSITE PIPE PENETRATIONS

Nullfire FP150 is a galvanised steel surface mounted intumescent fire stop pipe collar. In the event of a fire, FP150 prevents the passage of fire and smoke by closing off the aperture within the compartment floor or wall when penetrated by plastic pipes.

Key features

- Up to 2 hours fire resistance
- Surface mounted system
- Lightweight and easy to install
- Design allows for thermal movement of the pipe
- Fixing brackets mechanically attached to the collar housing

- For pipes up to 160 mm
- Provides effective cold smoke seal when used with Nullfire Acrylic Sealant

Joint substrates

- Masonry walls
- Masonry floors

Permissible services

- PVC pipes
- UPVC pipes
- ABS pipes
- PE pipes
- PP pipes
- Composite pipes

Testing and certification

Fire performance

- Tested in accordance with EN 1366-3
- Up to 2 hours fire resistance
- Classification EN 13501

Specify this Nullfire Product

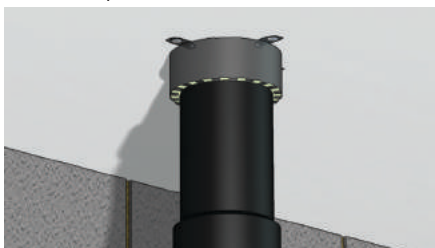
Nullfire System FP150 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullfire Technical Service for System Advice.

Technical support

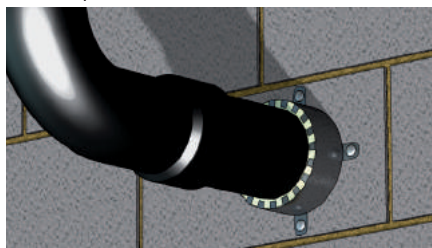
Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

Typical Applications

Horizontal penetrations



Vertical penetrations



FP300

Intumescent Wrap



FOR UPVC, PVC, ABS, PP, PE & COMPOSITE PIPE PENETRATIONS

Nullifire FP300 is a simple to use, self adhesive intumescent pipe wrap. The FP300 fits around the circumference of the pipe within the depth of the substrate. In the event of a fire, FP300 prevents the passage of fire and smoke by closing off the aperture within the compartment floor or wall when penetrated by plastic pipes.

Key features

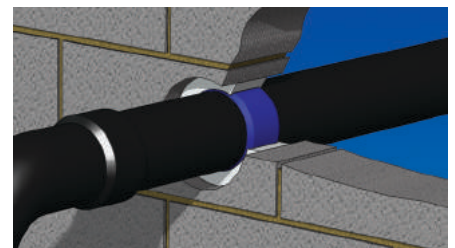
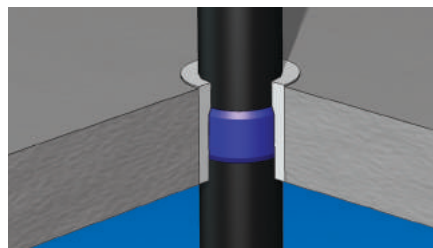
- Up to 2 hours fire resistance
- Ready to use and easy to install
- Moisture resistant
- High performance expansion rate
- Flexible and easy to fasten in place
- No mechanical fixing required
- One wrap can be used for certain applications
- Can be utilised internally with Nullifire FB747-50 Coated Board System
- Easy to reinstate any remaining gaps with FS701 Acrylic,

Joint substrates

- Masonry walls
- Masonry floors
- FR220 structural compound or FR270 high strength structural grade compound

Typical Applications

Horizontal/vertical penetrations



Permissible services

- PVC pipes
- UPVC pipes
- ABS pipes
- PE pipes
- PP pipes
- Composite pipes
- HDPE pipes
- MDPE Pipes

Testing and certification

Fire performance

- Tested in accordance with EN 1366-3 and BS 476
- Up to 4 hours fire resistance
- Classification EN 13501

Specify this Nullifire Product

Nullifire System FP300 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

FB760

Seal Bags



FOR TEMPORARY/ PERMANENT MULTIPLE SERVICE PENETRATIONS

Nullfire FB760 is an intumescent based composite material, encased within a durable, water resistant, coated fabric bag. FB760 is dry installed to provide a temporary or permanent fire resistant barrier. In the event of a fire, FB760 prevents the passage of fire and smoke by closing off the aperture within the compartment floor or wall when penetrated by building services.

Key features

- Up to 2 hours fire resistance
- Suitable for temporary or permanent application
- Dust and fibre free
- Moisture resistant and durable

- Easily re-penetrated for addition of services
- Dry installation
- Suitable for floors and walls
- Ready to use and easy to install
- High performance expansion rate
- No mechanical fixing required
- Assumed working life of 10 years (ETAG 026)
- Acoustics up to 33 dB

Joint substrates

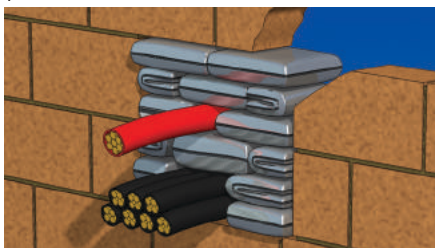
- Masonry floor/wall

Permissible services

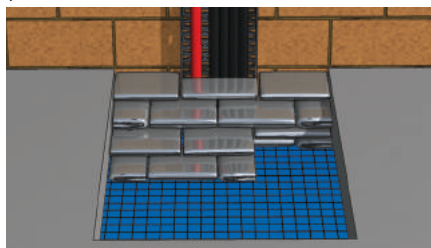
- Metallic and plastic pipes
- Cable trays
- Cable ladders
- Single and bunched cables

Typical Applications

Masonry wall – Vertical seal bags, multiple penetrations



Masonry floor – Horizontal seal bags, multiple penetrations



Testing and certification

Fire performance

- Up to 2 hours fire resistance
- Tested in accordance with EN1366-3 and BS 476
- Classification EN13501
- CE ETAG-026
- Air Permeability EN1314-1 600 Pa

Specify this Nullfire Product

Nullfire System FB760 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullfire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.



FO100 Putty Pads



FOR PLASTIC AND METALLIC ELECTRICAL BACKING BOXES

Nullifire FO100 is a non-setting, intumescent, silicone based putty pad. Available in double or single socket size, FO100 is designed to reinstate the fire integrity of the substrate when penetrated by an electrical backing box, eliminating the requirement for a baffle box. This product has also been approved to maintain the acoustic performance of the substrate in accordance with 'Approved Document E'

ROBUST DETAILS and is fully tested to meet the air leakage requirements of 'Approved Document L' providing a hermetic seal.

Key features

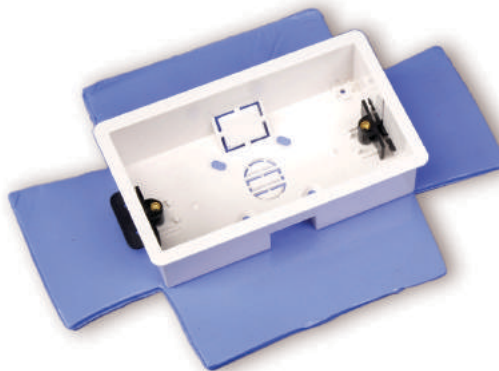
- Up to 2 hours fire resistance
- Reinstates the acoustic integrity of a 65 dB partition (four boxes, two back to back)
- Electrically non-conductive
- No need for expensive baffle boxes
- Easy to install
- Asbestos and halogen free

Joint substrates

- Masonry walls/floors
- Drywall

Typical application

Reinstates fire and acoustic integrity and insulation to:



- Double/single gang plastic socket fittings
- Double/single gang metallic socket fixings
- Plasterboard partition back to back and off-set
- Block wall back to back and off-set

Testing and certification

Fire performance

- Tested in accordance with EN 1366-3
- Up to 2 hours fire resistance
- Classification EN 13501

Acoustic performance

- Tested in accordance with EN ISO 140-3
- Approved Document E

Air permeability performance

- Tested in accordance with EN 1026
- Approved Document L

Specify this Nullifire Product

Nullifire System FO100 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

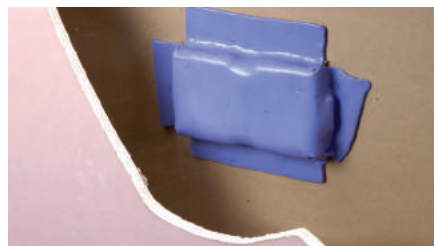
Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

Typical Application

Inside socket box



Outside socket box



FS700

Dynamic Acrylic Sealer



FOR DYNAMIC BUILDING & CONSTRUCTION JOINTS

Nullifire FS700 is a single component, water based acrylic sealant. The product is designed to be used in conjunction with light-weight mineral fibre material to form a seal around the perimeter of the building envelope at the junction between floor slab and curtain wall. FS700 provides a fire, acoustic, water and smoke seal between floors whilst allowing for building movement.

Key features

- Up to 3 hours fire resistance (depending upon substrate)
- Suitable for gaps up to 400 mm wide
- Fully tested in curtain wall fire applications
- Quick and easy to install
- May be spray, trowel or brush applied

- No drilling or impaling brackets required
- Assumed working life of 10 years (ETAG 026)
- Acoustics up to 33 dB
- Up to 5 times faster than conventional sealing
- Excellent tool ability and low slump characteristics
- Accommodates movement
- Halogen free

Typical applications

- Curtain wall slab edge
- Head of wall
- Dynamic movement penetration seals

Joint substrates

- Masonry to masonry
- Steel to steel

Testing and certification

Fire performance

- Tested in accordance with EN 1366-4 and RtF (Reaction to Fire) Class E
- Up to 3 hours fire resistance
- Classification EN 13501
- CE ETAG-026

Acoustic performance

- EN ISO 140-3 10140:2

Air permeability performance

- Tested in accordance with EN 1026

Specify this Nullifire Product

Nullifire System FS700 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

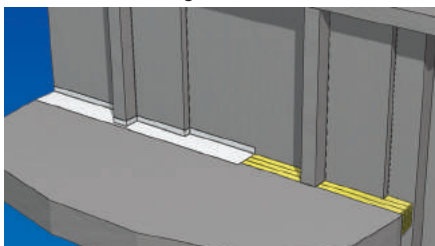
Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

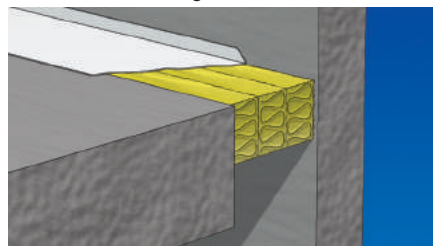


Typical Applications

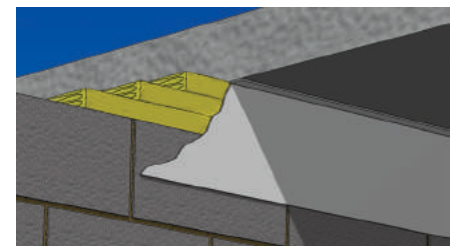
Curtain wall slab edge



Curtain wall slab edge detail



Head of wall



FJ200

Gap Seal



FOR BUILDING MOVEMENT JOINTS

Nullifire FJ200 is a cost effective, water resistant, flexible, compressible fire rated strip. In the event of a fire, 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. Installed under compression with no additional tools required.

Key features

- Up to 2 hours fire resistance
- Movement of up to 50%*
- Unaffected by moisture
- Structural and dynamic movement capabilities
- Supplied in 1 m lengths, with no additional tools required
- No maintenance required

*Increased movement capabilities may be achieved by using a larger FJ200 size required for the gap width

Typical applications

- Fire rated expansion joints
- Butt joints within the structural frame
- Wall and floor movement joints
- Cavity barriers
- Slab edge curtain wall sealing



Joint substrates

- Masonry to masonry
- Steel to steel
- Masonry to steel

Testing and certification

Fire performance

- Tested in accordance with BS 476-Pt20 EN 1366-4
- Up to 4 hours fire resistance
- Classification EN 13501-2
- Air Permeability EN 1026 100 Pa

Acoustic performance

- Tested in accordance with EN ISO 140-3 10140:2

Specify this Nullifire Product

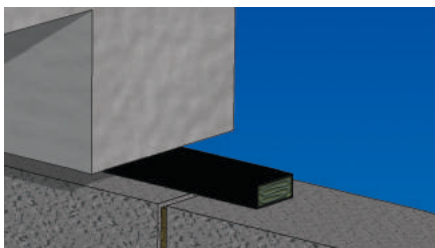
Nullifire System FJ200 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

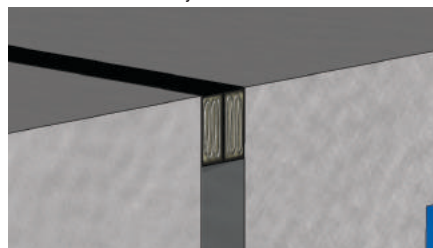
Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

Typical Applications

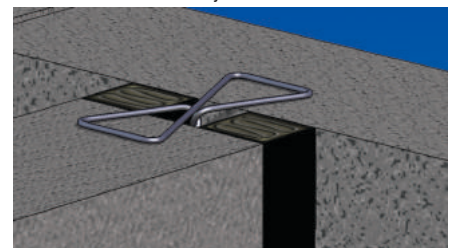
Horizontal head of wall



Vertical movement joint



Horizontal movement joint



FS701

Acrylic Sealant



FOR ALL BUILDING AND CONSTRUCTION JOINTS

Nullfire FS701 is a single-part water based fire resistant acrylic sealant.

FS701 provides up to 4 hours fire protection at building gaps and movement joints, whilst allowing low movement. It also provides fire protection around service penetrations.

Key features

- Rigid and flexible walls
- Fixing FB747 Batt System
- Acoustics up to 61dB
- Air Permeability up to 600 Pa
- Single sides seals
- Assumed working life of 10 years (ETAG 026)

Typical applications

- Joints in compartment walls and floors

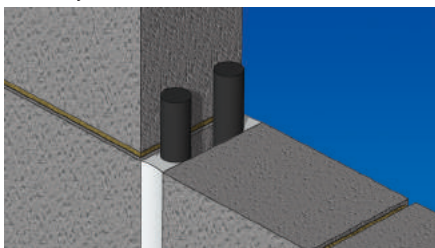
- Sealing in and around lightweight flexible partitioning
- Gaps between timber and block-work or masonry
- Decorative joints
- Sealing around service penetration, steel pipes, steel ducts, duct trays, cables and cable trays
- Used in conjunction with Nullfire FB747 Coated Board System for large service penetrations

Joint substrates

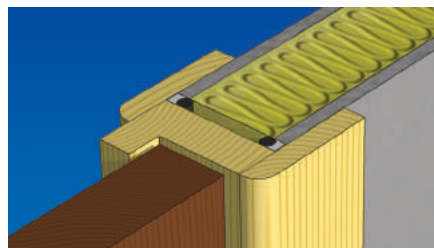
- Masonry to masonry
- Masonry to steel
- Steel to steel
- Masonry to timber (hardwood and softwood)

Typical Applications

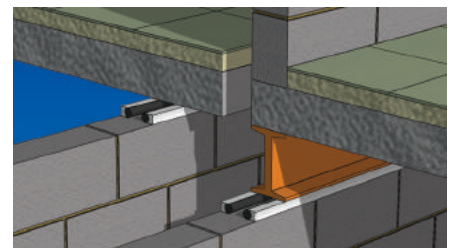
Vertical joint



Door frame



Head of wall



- Around pipes, services and cables
- In conjunction with Nullfire B747 Coated Board System

Testing and certification

Fire performance

- Tested in accordance with EN 1366-4 and 1366-3
- Up to 4 hours fire resistance
- Classification EN 13501
- CE ETAG-026

Acoustic performance

- Tested in accordance with EN 10140:2

Air permeability performance

- Tested in accordance with EN 1314-1

Specify this Nullfire Product

Nullfire System FS701 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullfire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.



FS703

Silicone Sealant



FOR ALL BUILDING AND CONSTRUCTION JOINTS

Nullifire FS703 is one-part, neutral curing, low modulus, low odour silicone sealant suitable for joint sealing applications with movement capability. FS703 provides up to 4 hours fire protection at internal and semi-exposed building gaps and low movement joints.

Key features

- Low odour
- Assumed working life of 10 years (ETAG 026)
- Can be used externally (Type X Durability ETAG 026)
- Linear joints up to 50 mm

Typical applications

- Joints in compartment walls and floors
- Sealing in and around lightweight flexible partitioning
- Gaps between timber and block work and masonry

Joint substrates

- Masonry to masonry
- Masonry to steel
- Masonry to timber (hardwood and softwood)



Testing and certification

Fire performance

- Tested in accordance with BS EN 1366-4
- Up to 4 hours fire resistance
- Classification EN 13501
- CE ETAG-026

Air permeability performance

- Tested in accordance with EN 1026 600 Pa

Specify this Nullifire Product

Nullifire System FS703 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

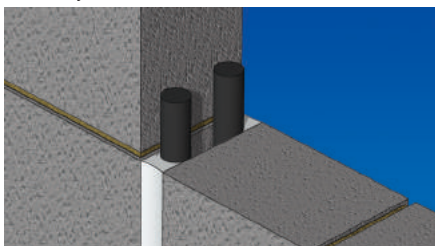
Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

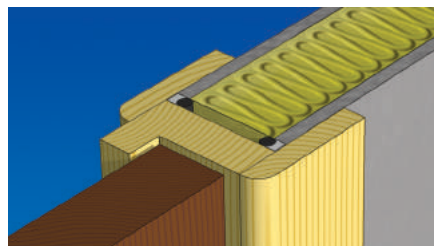


Typical Applications

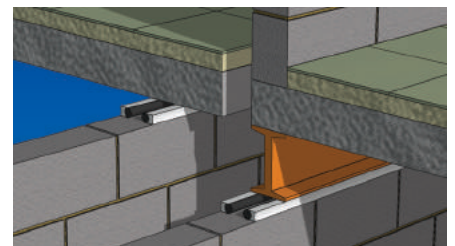
Vertical joint



Door frame



Head of wall



FF177/FF197

PU Foam



FOR BUILDING AND CONSTRUCTION JOINTS

Nullifire FF177 /FF197 are modified single component, fire rated polyurethane foams. FF177/FF197 PU foam can provide up to 4 hours fire protection to building gaps and linear joints. FF177/FF197 requires no additional gun for allocation and features the patented ergonomic cap system for ease-of-use, improved yield and accurate dosage during application.

Key features

- Suitable for gap widths up to 40 mm
- Up to 4 hours fire resistance

- Easy to use ergo-cap system (FF177)
- Quick and easy to install
- Sets tack free in 10 minutes
- Sets in a semi ridged structure, yields to vibration
- Acoustics up to 62 dB

Typical applications

- Joints in compartment walls and floors
- Steel pipe 50 mm

- Cable
- Sealing in and around lightweight flexible partitioning
- Gaps between frames and structures
- In conjunction with Nullifire FS711

Joint substrates

- Timber
- Brick
- Stone
- Cement
- Plaster
- Steel

Testing and certification

Fire performance

- Tested in accordance with EN 1366-4 and 1366-3
- Up to 4 hours fire resistance
- RtF (Reaction To Fire) Class E
- Classification EN 13501

Acoustic performance

- Tested in accordance with EN 10140:2

Specify this Nullifire Product

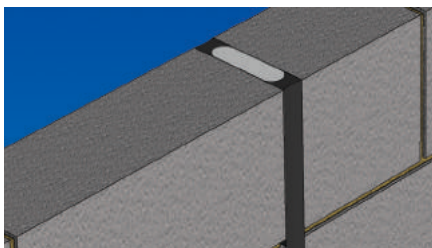
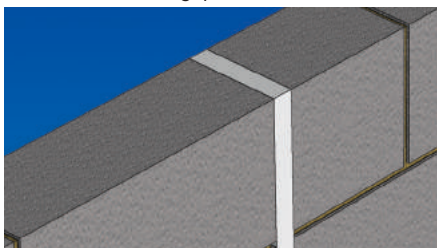
Nullifire System FF177/FF197 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

Typical Applications

Horizontal/vertical gaps



FS711/FS721

Acrylic Sealant



FOR ALL BUILDING AND CONSTRUCTION JOINTS

Nullifire FS711 Spray Grade Acrylic Sealant is a single part water based fire resistant sealant. FS711 can provide up to 4 hours fire resistance when used as a coating in conjunction with a suitable density mineral fibre board. FS711 is designed to be spray or brush applied and is fully tested as part of the FB747 system.

Nullifire FS721 Trowelable/Coatback Acrylic Sealant is a single part water based fire resistant sealant. FS721 sealant can provide up to 4 hours fire resistance when used in conjunction with Nullifire FB747 Coated Board System. FS721 is designed to be brush or trowel applied to seal the uncoated edges of FB747, or provide coatback where required.

Key features

- Up to 4 hours fire resistance
- Suitable for use in conjunction with Nullifire FB747 Coated Board System
- Easily paintable
- Low shrinkage
- Assumed working life of 10 years (ETAG 026)
- Acoustics Up to 38 dB
- Suitable for service penetrations
- To seal FF177/197 PU Foam

Typical applications

FS711 CE (ETAG)

- Spray or brush application on to mineral fibre boards
- Painting around a masked off service opening to provide an aesthetic finish



FS721

- Coatback of cables to provide insulation in accordance with EN1366-4
- Trowel application of sealant at joints of Nullifire B747 system

Joint substrates

- In conjunction with Nullifire B747 System

Testing and certification

Fire performance

- Tested in accordance with EN 1366-3 and EN1366-4
- Up to 4 hours fire resistance
- Classification EN 13501
- CE ETAG 026

Acoustic performance

- Tested in accordance with EN ISO 10140:2

Air permeability performance

- Tested in accordance with EN 1314-1 600 Pa

Specify this Nullifire Product

Nullifire System FS711/FS721 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.



FB805/FB810

Fire Curtain



FOR ALL BUILDING AND CONSTRUCTION JOINTS

Nullifire FB805/810 Fire Curtain is a specially coated, woven glass fibre blanket. FB805/810 can provide up to 2 hours fire and smoke protection to large unsupported openings.

FB805: Provides up to 30 minutes fire protection

FB810: Provides up to 120 minutes fire protection

Key features

- Up to 2 hours fire resistance
- Cavity fire barrier
- Approval with service penetrations
- Suitable for large openings up to 10.6 m

- Dry installation

Typical applications

- Subdividing ceiling
- Subdividing roof
- Partitioning the void below a raised floor

Permissible services

- Single bunched cables
- Cable trays
- Cable ladders
- Trunking
- Metallic pipes
- Ducting
- Steel/timber structural sections

Testing and certification

Fire performance

- Tested in accordance with BS 476-Pt20
- Up to 2 hours fire resistance

Preparation

- Ensure solid substrate and timber truss, to provide fixing for all four sides
- Ensure correct curtain selected for drop and fire rating required

Specify this Nullifire Product

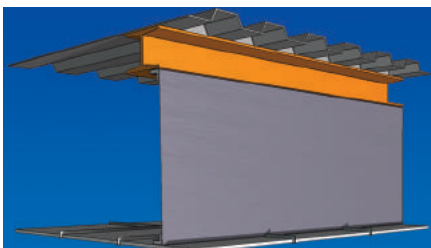
Nullifire System FB805/FB810 - apply to meet the requirement for the fire, acoustic, movement or air sealing rating specified. Contact Nullifire Technical Service for System Advice.

Technical support

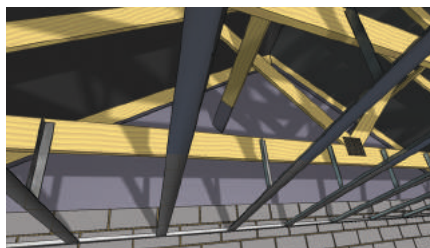
Please refer to our MSDS and technical application data sheets for further details. For guidance on applications outside this scope, contact our technical department.

Typical Applications

Steel structures



Timber structures



Concrete/masonry structures



tremco illbruck and its strong brands



tremco illbruck is a European manufacturer and service provider of high-performance sealing, bonding, flooring, waterproofing and passive fire protection products for the construction and manufacturing industries. We ensure that your processes become faster, smarter and more efficient.



illbruck adds perfection to all your sealing and bonding projects, be it windows, façades, interiors or exteriors, a major construction scheme or a minor refurbishment job. We offer the right set of products, services and expertise to lessen your workload and improve the overall environment within buildings - making it perfect.



Nullifire helps reduce the complexities of passive fire protection. Fire safety regulations can be complicated and potentially involve the threat of liability. To cope with these challenges we deliver a focused range of rigorously tested products that cover a wide array of passive fire protection applications. Nullifire's expert advice, support and training make for smart and simple solutions in passive fire protection.



TREMCO delivers lasting results when it comes to flooring, waterproofing, insulating glass or structural glazing. The building envelope is faced with ever more exacting requirements – technologically, legally and in terms of sustainability. With more than 85 years of experience, TREMCO offers products that have been tested for decades and under extreme environmental conditions – for buildings that are made to last.



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SALES & CUSTOMER SERVICE

tremco illbruck limited
Coupland Road, Hindley Green
Wigan
WN2 4HT
United Kingdom
Tel: +44 (0)1942 251400
Fax: +44 (0)1942 251410

TECHNICAL SUPPORT

Tel: +44 (0)24 7685 5500
Fax: +44 (0)24 7646 9547

Email: protect@nullifire.com

Web: www.nullifirefirestopping.co.uk

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