



Firestop Solutions | For Life Safety & Code Compliance



Specified Technologies Inc. (STI) is an industry leader solely committed to the development of innovative and reliable firestop solutions to stop the spread of fire, smoke and toxic gasses.

For over 20 years, STI has worked hand-in-hand with the construction industry to create modern firestop solutions for all types of new construction and retrofit applications. Considering the increasing complexity of new building constructions, this is no small task. All of our systems are tested and certified by accredited laboratories all over the world, and we offer the broadest range of UL Classified Systems, more than any other fire-stop manufacturer. STI develops and manufactures innovative and reliable firestop solutions for a very wide range of penetrations and joint applications.

STI takes steps to minimize or eliminate volatile organic compounds (VOCs) and our products meet or exceed the standards for sustainable design requirements and LEED® credits.



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✓ Elements of Fire Protection

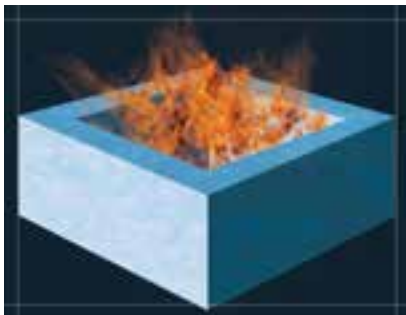
The essential elements of fire protection can be classified as either passive or active fire protection. Used in conjunction with one another to provide a balanced fire protection strategy in modern construction, both active and passive fire protection systems are analogous to safety belts and air bags in automobiles.

Active fire protection elements are designed to activate once a fire starts to control growth or extinguish it. Examples include fire sprinklers or gaseous extinguishing systems. Fire alarms also fall into this category as they provide notification to building occupants and emergency responders.

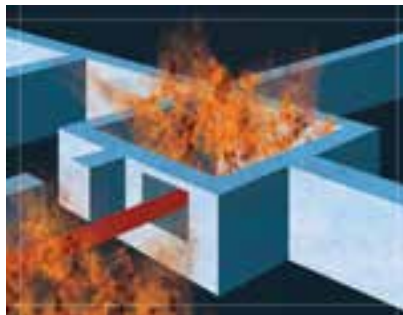
Passive fire protection elements are designed to control fire growth and spread through the erection of barriers that minimize the spread of fire, smoke, and hot gases. Such systems are said to compartmentalize or contain fire to the point or origin thereby allowing occupants time for safe egress and fire fighting personnel time for safe ingress to perform search and rescue. Passive fire protection systems may also enhance structural integrity. Examples of passive fire protection include fire-resistive rated floors and walls, fire-proofing materials for structural elements, fire doors, and fire dampers. Firestopping is an essential element of an effective passive fire protection system.

✓ Passive Fire Protection - Firestopping

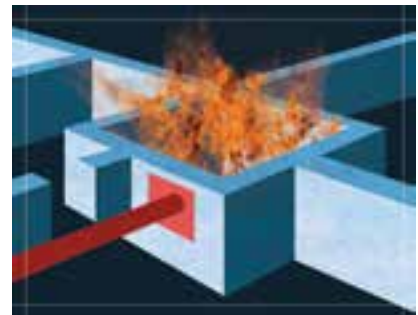
No passive fire protection system is complete without proper firestopping systems. As service elements penetrate fire-resistive rated walls and floors, unsealed gaps around them will allow the spread of flames, smoke, and gasses thereby neutralizing the effectiveness of such barriers. Installation of firestopping materials to seal the gaps around such penetrations restores the integrity of the barriers and maintains hourly fire endurance ratings. The complete STI line of firestopping products entails all aspects of proper firestopping from simple joints or gaps to single or multiple penetrant systems such as pipes, cables, cable trays, or ducts.



The construction of barrier walls and floors to withstand the passage of fire, smoke and super-heated gasses.



Electrical or mechanical service lines breach a fire-barrier wall or floor.



Firestop materials must be installed to restore an hourly fire-rating.

***Firestopping is an essential requirement
for life safety and property protection***

North American Standards



ASTM Standards

- E84 Test Method for Surface Burning Characteristics of Building Materials
- E90..... Test Method of Airborne Sound Transmission Loss of Building Partitions and Elements
- E136..... Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C
- E814..... Test Method for Fire Tests of Through Penetration Firestops
- E119..... Test Method of Building Construction and Materials
- E1399..... Test Method for Measuring the Minimum and Maximum Joint Widths of Architectural Joint Systems
- E1966..... Test Method for Fire-Resistive Joint Systems
- E2307..... Test Method for Determining Fire Resistance of Perimeter Fire Barrier Systems

UL Standards

- UL263 Fire Test of Building Construction and Materials (equivalent to ASTM E119)
- UL1479 Fire Tests of Through Penetration Firestops (equivalent to ASTM E814)
- UL2079 Fire Tests for Fire Resistance of Building Joint Systems

ULC Standards

- ULC S101 Standard Method of Fire Endurance Tests of Building Construction Materials
- ULC S102 Standard Method of Testing for Surface Burning Characteristics of Building Materials & Assemblies
- ULC S115 Standard Method of Fire Tests of Firestop Systems



European Standards

EN Standards

- EN 1366-3 Fire Resistance Tests for Service Installations. Penetration Seals.
- EN 1366-4 Fire Resistance Tests for Service Installations. Linear Joint Seals.
- EN ISO 11925-2 Reaction To Fire Tests. Ignitability of Building Products Subjected to Direct Impingement of Flame
- EN 13501-1 Fire Classification of Construction Products and Building Elements Using Test Data From Reaction To Fire Tests
- EN 13501-2 Fire Classification of Construction Products and Building Elements Using Data From Fire Resistance Tests, Excluding Ventilation Services



DIN Standards

- DIN 4102..... Fire Behavior of Building Materials and Building Components
- DIN 4102-1 Reaction To Fire Tests - Ignitability of Building Products Subjected To Direct Impingement of Flame
- DIN 4102-2 Building Components; Definitions, Requirements and Tests
- DIN 4102-6 Ventilation Ducts; Definitions, Requirements and Tests
- DIN 4102-9 Seals for Cable Penetrations; Concepts, Requirements and Testing
- DIN 4102-11 Pipe Encasements, Pipe Bushings, Service Shafts and Ducts, and Barriers Across Inspection Openings; Terminology, Requirements and Testing

British Standards

- BS476-20 Fire Tests on Building Materials and Structures. Part 20: Method for Determination of the Fire Resistance of Elements of Construction (General Principles)

Marine Standards and Directives

- IMO Resolution A754 (18) – Test Method for the Determination of the Fire Resistance of Separating Constructions
- MED – Council Directive 96/98/EC on Marine Equipment



Green Building Standards

Stewardship and Sustainability

STI takes steps to minimize or eliminate volatile organic compounds (VOCs) and our products meet or exceed the standards for sustainable design requirements and LEED® credits. No asbestos, PCB's, or water soluble intumescent ingredients are used or contained in all our products.



Penetration Firestop Systems

Single & Multiple Penetrants

Cable Tray

- Composite sheet
- Mortar
- Pillows
- SSS
- LCI



Electrical Cables

- SSS
- LCI
- Putty
- EZ-Path
- Ready Sleeve
- SIL



Metallic Pipes

- SSS
- LCI
- Putty
- Pillows
- SIL
- Cast-In Device
- Composite Sheet
- LC
- Mortar



Plastic Pipes

- Collars
- Cast-In Device
- SIL
- SSS
- LCI
- Wrap Strip



Insulated Pipes

- Wrap Strip
- LCI
- SSS
- SIL



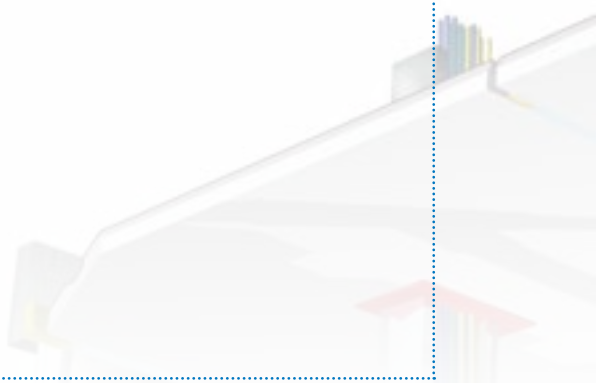
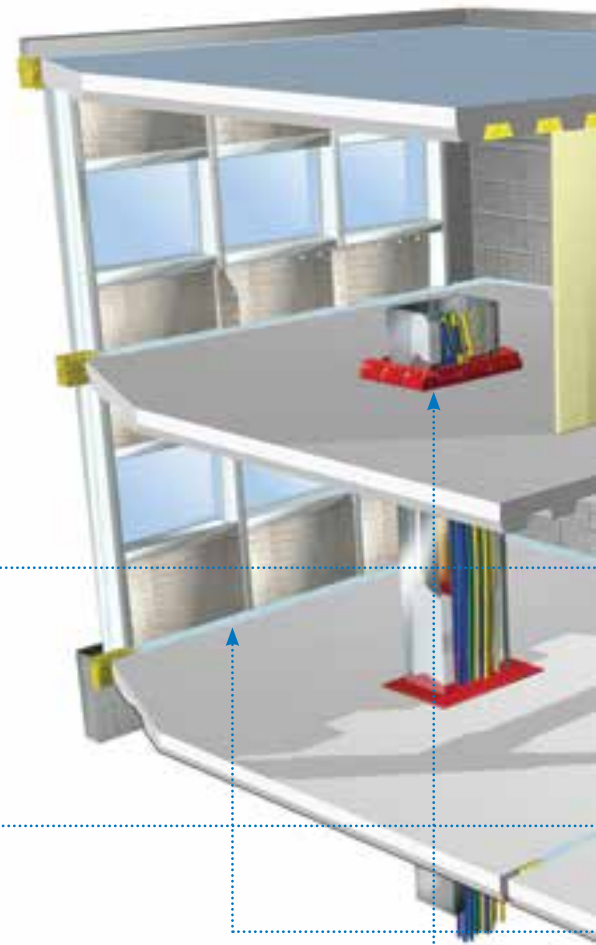
Ducts

- Composite Sheet
- FyreFlange
- LC
- SIL
- SSS
- LCI
- Mortar



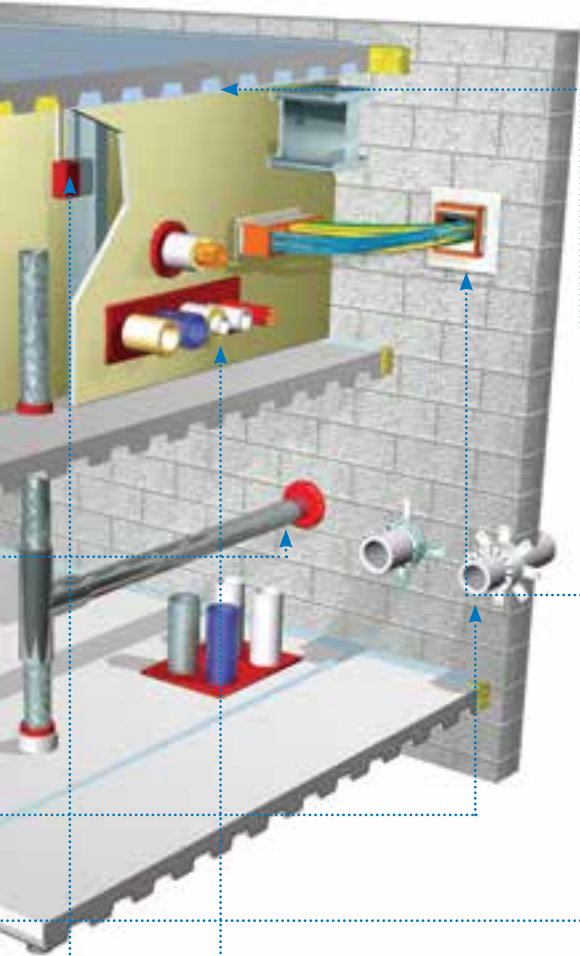
Bus Ducts

- Composite Sheet
- Pillows
- Mortar
- SSS
- LCI
- SIL



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Construction Joints

All static and dynamic joints

Narrow Joints

- ES
- SIL

Wide Joints

- AS
- Fast Tack



Data-Communication

High Traffic Openings

- EZ-Path® - The most advanced firestop solution
- Pillows - Easy installation and reinstallable
- Ready® Sleeve & Putty - Easy and retrofitable
- Ready® Firestop Grommet - For single and multiple cable penetrations



Curtain Wall Gaps

Wide Range of Construction

- AS - Water Based Spray
- Fast Tack - Silicone Based Spray



Cable Spray

Cable Jacketing Integrity

- Cable Spray - Coating designed to prevent propagation of fire on cables



Electrical Box

- Electrical Box Inserts - The firestop solution specifically designed for electrical boxes



Acoustical Products

Smoke, Noise and Infectious/Dust Control

Joints and Penetrations

- Smoke N Sound Sealant - For small openings
- Smoke N Sound Spray - For large openings



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AS Elastomeric Firestop Spray

AS Elastomeric Spray is a non-halogenated, latex based, highly elastomeric spray coating designed to provide passive smoke and fire protection in construction joints, curtain wall gaps and certain penetrations.

This spray is designed to adhere to virtually all construction surfaces and may be applied using airless spray equipment or with a brush. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying.

Physical Properties

- Water based – for easy installation and cleanup
- Water resistant
- Paintable
- Non-halogenated, no solvents, no asbestos, low VOC content
- Auto bonding – allows fresh spray to adhere to cured spray
- Low abrasion – for longer pump life and less maintenance
- Thixotropic – for high-build application
- High movement capabilities (25%)
- Sound insulation (STC 61)
- Tested with spray applied fire resistive materials (SFRM)
- Color – light blue or red



REF:	VOLUME	TYPE	QUANTITY	COLOR	WEIGHT (KG)
AS205	19.0 L	Pail	1	Light Blue	22.7
AS205R	19.0 L	Pail	1	Red	22.7

ES Elastomeric Firestop Sealant

ES Elastomeric Sealant is a non-halogenated latex-based, highly elastomeric caulk designed to provide passive smoke and fire protection in construction joints. It is engineered to restore sound attenuation properties to sound-rated ceilings and partitions.

This sealant is designed to adhere to virtually all construction surfaces and may be applied using standard caulking equipment or by troweling. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying.

Physical Properties

- Water based – for easy installation and cleanup
- Water resistant
- Paintable
- Non-halogenated, no solvents, no asbestos, low VOC content
- Auto bonding – allows fresh sealant to adhere to cured sealant
- Thixotropic – for high-build application
- High movement capabilities (25%)
- Sound insulation (STC 62) – tested as acoustical sealant



REF:	VOLUME	TYPE	QUANTITY	COLOR	WEIGHT (KG)
ES100	300 ml	Tube	12	Light Blue	0.50
ES100R	300 ml	Tube	12	Red	0.50
ES120	592 ml	Sausage	12	Light Blue	0.90
ES120R	592 ml	Sausage	12	Red	0.90
ES105	19.0 L	Pail	1	Light Blue	28.2
ES105R	19.0 L	Pail	1	Red	28.2

✓ Fast Tack™ Firestop Spray

Fast Tack™ Firestop Spray is an elastomeric single component silicone/urethane hybrid spray coating designed to provide passive smoke and fire protection in horizontal construction joints and curtain wall gaps.

This spray is designed to adhere to virtually all construction surfaces and may be applied using airless spray equipment or with a brush. It dries rapidly and cures in the presence of atmospheric moisture to form a durable, flexible, water resistant shield.

Physical Properties

- Water resistant – for water-tight sealing
- Auto bonding – allows fresh spray to adhere to cured spray
- Cures very fast – skins over quickly to resist water
- Cures below freezing
- Non-halogenated, no solvents, no asbestos, no PCBs, low VOC
- Color – off white



REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
FT305	19.0 L	Pail	1	22.2

✓ SIL Silicone Firestop Sealant

SIL Silicone Sealant is a one-part neutral curing silicone sealant designed to provide passive smoke and fire protection in construction joints and through-penetration applications. This sealant is designed to adhere to virtually all construction surfaces and may be applied using standard caulking equipment or by troweling.

It reacts with atmospheric moisture to form a tough durable seal. This material can also insulate openings to prevent damage from occasional water spillage and dust penetration in sensitive areas.

Physical Properties

- Water resistant – for water-tight sealing
- Auto bonding – allows fresh sealant to adhere to cured sealant
- Ozone and UV Resistant – for outside applications
- Excellent chemical resistance
- Excellent smoke seal
- High movement capabilities (50%)
- Sound insulation (STC 61)
- Low VOC
- Color – concrete



REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
SIL300	300 ml	Tube	24	0.5
SIL320	592 ml	Sausage	12	0.92
SIL305	17.0 L	Pail	1	24.7
SIL320SL	592 ml	Sausage	12	0.92
SIL305SL	17.0 L	Pail	1	24.7

✓ Speedflex® Joint Profile

SpeedFlex® Joint Profile is a high temperature fibrous joint forming material for use in top of wall construction joints. When installed with an approved STI firestop coating, the profile allows economical installations and up to 100% compression and extension in joint movement.

This solution replaces strips of mineral wool in the joint area between the fire-rated wall assembly and the bottom of a steel deck or concrete floor.

Physical Properties

- Allows 100% compression or extension
- Fast installation
- Alternative to caulking joints
- Replaces mineral wool
- Clean and professional appearance
- Can be used to repair cracked joints
- Seismic testing



REF:	DIMENSIONS HEIGHT X LENGTH X THICKNESS	DENSITY (KG/M3)	QUANTITY	WEIGHT (KG)
SFJP40	10.2 cm X 102 cm X 4.7 mm	128 to 160	1	0.46

✓ LC Endothermic Firestop Sealant

LC Endothermic Sealant is a latex-based, high solids firestop compound. This material will seal non-combustible through-penetrants and joints against the spread of fire, smoke, toxic gasses and water.

It is engineered to adhere to virtually all construction surfaces and may be applied using a standard caulk gun or by troweling. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying.

Physical Properties

- Water based – for easy installation and cleanup
- Water resistant
- Endothermic fillers – absorbs heat and release water
- Non-halogenated, no solvents, no asbestos, low VOC content
- Auto bonding – allows fresh sealant to adhere to cured sealant
- High solids formula – no shrinkage
- Thixotropic – for high-build application
- Flexible
- Sound insulation (STC 61)
- Color – red



REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
LC150	300 ml	Tube	12	0.43
LC120	592 ml	Sausage	12	0.87
LC155	19.0 L	Pail	1	26.3

✓ SSS Intumescent Firestop Sealant

SSS Intumescent Sealant is a product designed to seal a wide range of through-penetrants against the spread of fire, smoke, toxic gasses and water. It is a two stage intumescent technology product, which expands aggressively to quickly close off voids left by the burning or melting of combustible materials.

This sealant is designed to adhere to virtually all construction surfaces and penetrant materials. It may be applied using standard caulking equipment or by troweling. It has excellent caulking properties on vertical or overhead surfaces. It will not separate or shrink when dried. It contains no solvents.

Physical Properties

- Two stage intumescent – extremely fast and directionalized expansion
- Water Based – for easy installation and cleanup
- Water resistant
- Auto bonding – allows fresh sealant to adhere to cured sealant
- Endothermic properties
- Non-halogenated, no solvents, no asbestos, no PCBs, low VOC content
- High solids formula – no shrinkage when dried
- Sound Insulation (STC 62)
- Color – red

REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
SSS100	300 ml	Tube	12	0.50
SSS120	592 ml	Sausage	12	0.90
SSS102	7.6 L	Pail	1	11.4
SSS105	19.0 L	Pail	1	27.3



✓ LCI Intumescent Firestop Sealant

LCI Intumescent Sealant is a product designed to seal a wide range of through-penetrants against the spread of fire, smoke, toxic gasses and water.

This sealant is designed to adhere to virtually all construction surfaces and penetrant materials. It may be applied using standard caulking equipment or by troweling. It has excellent caulking properties on vertical or overhead surfaces. It will not separate or shrink when dried. It contains no solvents.

Physical Properties

- Highly intumescent – up to 10x
- Water based – for easy installation and cleanup
- Water resistant
- Auto bonding – allows fresh sealant to adhere to cured sealant
- Endothermic properties
- Non-halogenated, no solvents, no asbestos, no PCBs, low VOC content
- No shrinkage when dried
- Sound Insulation (STC 62)
- Color – red

REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
LCI300	300 ml	Tube	12	0.50
LCI320	592 ml	Sausage	12	0.90
LCI305	19.0 L	Pail	1	27.3



✓ CS Firestop Cable Spray

Cable Spray is an intumescent, latex-based spray applied coating designed to protect grouped electrical cables against the propagation of fire. This material will limit flame spread and provide short-term circuit integrity during a fire situation.

It is engineered to adhere well to virtually all cable jacketing materials and may be applied using airless spray equipment or with a brush. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying.

Physical Properties

- Intumescent – expands with heat
- Water based – for easy installation and cleanup
- Water and weather resistant
- Non-halogenated, no solvents, no asbestos, low VOC content
- Auto bonding – allows fresh sealant to adhere to cured sealant
- Thixotropic – for high-build application
- Flexible
- High solids formula
- Low abrasion – for longer pump life and less maintenance
- Color – white



REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
CS105	19.0 L	Pail	1	25.00

✓ SSM Firestop Mortar

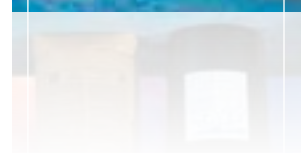
Firestop Mortar is an economical, light-weight cement-based firestop product. This passive material uses a combination of heat sinking and insulating properties to provide a high level of fire resistance.

It is designed to seal through-penetrations, construction gaps or blank openings. It can be associated with other STI products. Its low density makes re-penetration for retrofitting a simple task.

It is mixed with water and may be applied by pouring, pumping, or troweling. Firestop Mortar is designed to dry quickly and will not crack or spall due to freezing or changes in temperature.

Physical Properties

- Low density – easy retrofit
- Light weight – less forming and support required
- Fast drying – forms come down faster
- Economical – highest yield per pound means lower installed cost
- Versatile – wide range of applications
- Chemical adhesion – reduces concrete fasteners needs
- Color – pale red



REF:	VOLUME	TYPE	QUANTITY	WEIGHT (KG)
SSM106	22.7 L	Pail	1	10.90
SSM22B	--	Bag	1	10.50

✓ Smoke N Sound Acoustical Products

Smoke N Sound sealant and spray are high quality acrylic latex products designed for sealing through-penetrations, linear joints and gaps in smoke rated barriers. This solution is designed to adhere to virtually all construction surfaces. Its premium latex binder system is totally resistant to water and will not re-emulsify after drying.

Smoke N Sound sealant may be applied using standard caulking equipment or by troweling. It has excellent caulking properties on vertical or overhead surfaces

Smoke N Sound spray may be applied using airless spray equipment or with a brush for small applications or touch ups.



Physical Properties

- Water based – for easy installation and cleanup
- Water resistant
- Paintable
- Non-halogenated, no solvents, no asbestos, low VOC content
- Economical – high performance without the high price
- Low abrasion – for longer pump life and less maintenance
- Thixotropic – for high build application
- Auto bonding – allows fresh sealant to adhere to cured sealant
- Flexible – allows moderate movement (+8%)
- Sound insulation (STC 61)

REF:	VOLUME	TYPE	SEALANT/SPRAY	QUANTITY	COLOR	WEIGHT (KG)
SNS120W	592 mm	Sausage	Sealant	12	White	1.00
SNS105	19.0 L	Pail	Sealant	1	Yellow	33.00
SNS105W	19.0 L	Pail	Sealant	1	White	33.00
SNS205	19.0 L	Pail	Spray	1	White	26.00

✓ SSP Intumescent Firestop Putty

SSP Intumescent Putty is a non-hardening compound designed to seal through-penetrations against the spread of fire, smoke and toxic gasses. Requiring no tools, it is soft and pliable and can be installed by hand. Designed to adhere to all common construction materials.

SSP Intumescent Putty Pads provides the same level of protection for easy application to electrical boxes or other through-penetrants.



Physical Properties

- Two stage intumescent – fast and aggressive expansion up to 50x
- Soft and pliable – easy installation
- Highly adhesive – allows movement
- Non hardening – easy retrofit
- Water resistant
- Endothermic fillers – absorbs heat and release water
- Sound insulation (STC 62) – excellent sound attenuation properties
- Low VOCs
- Color – red



REF:	VOLUME / DIMENSIONS	TYPE	QUANTITY	WEIGHT (KG)
SSP100	0.6 L	Tube	6	1.10
SSP28	0.4 L	Tube	1	0.84
SSP4S	184 mm X 184 mm X 5 mm	Pad	20	0.27
SSP9S	229 mm X 229 mm X 5 mm	Pad	20	0.45

✓ Ready® Sleeve

Ready® Sleeve firestop pathways are a complete out-of-the-box solution for new cable penetrations through walls.

Each sleeve kit contains a precut metallic sleeve, mounting plates, intumescent gaskets, wall warning labels, and the amount of putty required to seal both ends. Our 51mm and 102mm diameter sleeves include a unique rolled lip design to eliminate potential sharp edges.

Physical Properties

- Ready to install – no cutting required, no waste
- Smooth entry – no sharp edge
- Economical – material and labor savings
- Locks into place – no supports or clamps required
- No external firestop seal required
- Intumescent gasket provided with kit – expansion up to 15x
- Intumescent firestop putty provided with kit – expansion up to 8x



REF:	SLEEVE SIZES	MIN. OPENING	MAX. OPENING	LENGTH	PLATE SIZES	QUANTITY	WEIGHT (KG)
FS100	Ø 25 mm	Ø 30 mm	Ø 32 mm	300 mm	Ø 55 mm	6	0.50
FS200	Ø 51 mm	Ø 60 mm	Ø 65 mm	300 mm	Ø 86 mm	6	1.00
FS201	Ø 51 mm	Ø 60 mm	Ø 65 mm	300 mm	Ø 115 mm	6	1.20
FS400	Ø 102 mm	Ø 114 mm	Ø 114 mm	300 mm	Ø 140 mm	1	2.70
FS401	Ø 102 mm	Ø 114 mm	Ø 114 mm	300 mm	Ø 205 mm	1	2.90

✓ Ready® Split Sleeve

Ready® Split Sleeve firestop pathways are a complete out-of-the-box solution for new or existing cable penetrations through walls.

Each sleeve kit contains a precut metallic sleeve, mounting plates, intumescent gaskets, wall warning labels, and the amount of putty required to seal both ends. Each size includes a unique rolled lip design to eliminate potential sharp edges.

Physical Properties

- Split design for existing cables
- Large plates – cover oversized openings
- Ready to install – no cutting required, no waste
- Smooth entry – no sharp edges
- Economical – material and labor savings
- Locks into place – no supports or clamps required
- No external firestop seal required
- Intumescent gasket provided with kit – expansion up to 15x
- Intumescent firestop putty provided with kit – expansion up to 8x



REF:	SLEEVE SIZES	MIN. OPENING	MAX. OPENING	LENGTH	PLATE SIZES	QUANTITY	WEIGHT (KG)
FSR100	Ø 25 mm	Ø 30 mm	Ø 57 mm	300 mm	76 mm X 76 mm	4	0.57
FSR200	Ø 51 mm	Ø 60 mm	Ø 102 mm	300 mm	114 mm X 114 mm	4	1.26
FSR400	Ø 102 mm	Ø 114 mm	Ø 152 mm	300 mm	203 mm X 203 mm	4	3.28

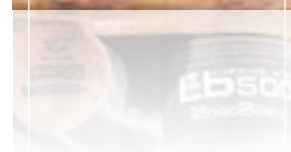
✓ FP Intumescent Firestop Plugs

Series FP Intumescent Firestop Plugs are soft and supple foam plugs molded from polyurethane. Plugs are conveniently sized to fit 51 or 102 mm diameter openings or metallic sleeves.

These plugs are designed to firestop single or bundled cables and blank openings. The intumescent plugs expand when exposed to heat to quickly close off around combustible jacketed cables.

Physical Properties

- Intumescent – expands in all directions up to 10x
- Fast and easy installation – no special tools required
- Reinstallable – soft resilient foam
- Smoke resistant – superior smoke leakage ratings
- Low VOC
- Color – red



REF:	OPENING / SLEEVE DIMENSIONS	QUANTITY	WEIGHT (KG)
FP200	Ø 51 mm	10	0.61
FP400	Ø 102 mm	10	1.25

✓ SSB Intumescent Firestop Pillows

Firestop Pillows are designed to firestop through penetrations in wall and floor applications. These intumescent and highly resilient pillows are installed in openings by compressing and stacking into the opening in a brick-like fashion. This method of sealing offers easy retrofitting of through-penetrants without damaging the firestop seal.

Pillows consist of a mineral fiber core material sealed with a water resistant intumescent membrane. This coated core material is heat-sealed in a tough, non-irritating, fire-retardant polythene bag.

Physical Properties

- Intumescent – expands in all directions
- Lightweight
- Easy installation – no tools required
- Reinstallable – for easy through-penetrant retrofitting
- Good air leakage rating
- Heat sealed poly bag – strong, durable and no irritating fiberglass
- Low VOC
- Color – red



REF:	DIMENSIONS	QUANTITY	WEIGHT (KG)
	HEIGHT X LENGTH X THICKNESS		
SSB14	25 mm X 101 mm X 229 mm	20	0.09
SSB24	50 mm X 101 mm X 225 mm	10	0.13
SSB26	50 mm X 152 mm X 225 mm	22	0.16
SSB36	76 mm X 152 mm X 225 mm	16	0.22

SSC Intumescent Firestop Collars

SSC Intumescent Collars are factory-manufactured collars designed to firestop plastic pipes. A molded intumescent insert is set in a galvanized metal collar.

The insert uses a two-stage intumescent technology, providing a very responsive and highly directionalized expansion.

From a temperature of 120°C, the intumescent insert begins to expand rapidly to seal completely the through-penetration. The expansion continues up to 538°C.

Physical Properties

- Two-stage intumescent technology
- Very fast expansion – seal off burning penetrants
- Easy installation – fixation design reduces field labor
- Water resistant – no soluble or hygroscopic ingredients



REF:	PIPE TRADE SIZE	QUANTITY	WEIGHT (KG)
SSC150	Ø 38 mm	6	0.11
SSC200	Ø 50 mm	6	0.14
SSC300	Ø 76 mm	6	0.23
SSC400	Ø 102 mm	6	0.37
SSC600	Ø 152 mm	2	2.12

LCC & RTC Intumescent Firestop Collars

LCC Intumescent Collars are factory-manufactured collars designed to firestop plastic pipes. A molded intumescent insert is set in a galvanized metal collar. LCC collars are specifically sized to fit 38mm, 51mm, 76mm and 102mm diameter trade sized pipes.

From a temperature of 160°C, the intumescent insert begins to expand rapidly to completely seal the through-penetration. The expansion continues up to 538°C.

RTC Intumescent Collars are adjustable collars designed to seal 76mm and 102mm diameter trade size pipes.

Physical Properties

- Highly intumescent – expansion up to 60x
- Fast expansion – seal off burning penetrants
- Easy installation – quick closure design
- Water resistant – no soluble or hygroscopic ingredients



REF:	PIPE TRADE SIZE	QUANTITY	WEIGHT (KG)
LCC150	Ø 38 mm	6	0.10
LCC200	Ø 50 mm	6	0.12
LCC300	Ø 76 mm	6	0.23
LCC400	Ø 102 mm	6	0.33
RTC350	Ø 76 mm and Ø 102 mm	6	0.34

SSW Intumescent Firestop Wrap Strip

Intumescent Wrap Strips are highly flexible, elastomeric strips designed to firestop combustible penetrations. Convenient rolls, or individually sized strips facilitate installation and minimize waste.

These products utilize an intumescent technology, providing very responsive and highly directionalized expansion. Their fast expansion provides quick closure of burning combustible penetrants.

From a temperature of 120°C, the intumescent strip begins to expand rapidly to seal completely the through-penetration. The expansion continues up to 538°C.

Physical Properties

- Highly intumescent – expansion up to 60x
- Fast expansion – seal off burning penetrants
- Water resistant – no soluble or hygroscopic ingredients
- Easy installation – soft and flexible, less strip and less fasteners required
- Economical – rolls or precut strips means no piecing, less waste
- Versatile solution – for a wide range of applications



Wrap Strip

REF:	TYPE	DIMENSIONS			PIPE SIZE	QUANTITY	WEIGHT (KG)
		LENGTH X HEIGHT X THICKNESS					
SSWBLU2	Wrap Strip Roll	3.7 m X 51 mm X 3.2 mm			--	8	0.72
SSWRED2	Wrap Strip Roll	3.7 m X 38 mm X 3.2 mm			--	8	0.52
SSWBLU220	Wrap Strip Precut	20 mm X 38 mm X 3.2 mm			Ø 52 mm	25	0.05
SSWBLU230	Wrap Strip Precut	284 mm X 76 mm X 3.2 mm			Ø 76 mm	25	0.10
SSWBLU240	Wrap Strip Precut	356 mm X 102 mm X 3.2 mm			Ø 102 mm	25	0.14

Metal Restraining Collar

REF:	LENGTH	PIPE SIZE	TO BE USED WITH	QUANTITY	WEIGHT (KG)
SSWRC	7.6 m	--	SSWBLU2	1	2.30
SSWRC2	7.6 m	--	SSWRED2	1	1.70
WSC-8	--	Ø 152 mm and Ø 203 mm	SSWBLU2	1	0.69
WSC-8RED	--	Ø 152 mm	SSWRED2	1	0.48
WSC-12	--	Ø 254 mm and Ø 305 mm	SSWBLU2	1	0.91

Ready® Firestop Grommet

Ready® Firestop Grommet is a molded, two-piece grommet with an integral fire and smoke sealing foam membrane. It is designed to seal individual cable penetrations against fire and smoke through framed wall assemblies.

A soft foam inner core conforms to the cable to form a tight seal. Grommet snaps together around cable and locks tightly into the wall.

Physical Properties

- Easy firestop solution
- Smoke seal
- Split design – for previously installed cables
- Made with Ultem® premium, plenum grade material – exceptional flame and heat resistance
- Designed for gypsum wall
- No sleeve, no sealant required
- Color – red



REF:	LENGTH	REQUIRED OPENING	MAX CABLE DIAM.	QUANTITY PER BLISTER	QUANTITY PER PACK	WEIGHT (G)
RFG1	41 mm	Ø 14 mm	Ø 7 mm	10 Grommets	10 Blisters	5

✓ Cast-In Firestop Device

Cast-In Firestop Devices consist of molded plastic sleeves incorporating an intumescent firestopping system and a flexible smoke and water resistant seal. It has been engineered for use in concrete floors to firestop openings for various combustible and non-combustible penetrants.

The molded plastic body can be easily cut as required to accommodate concrete thickness. Steel deck kits are available to facilitate installation in fluted metal decks as well as extension tubes for thicker floors.

Physical Properties

- Easy installation – eliminates core drilling
- Water and smoke resistant gasket
- Intumescent material already incorporated in the device
- Available in four diameters
- Saves time – no firestopping step required
- Can be easily cut to adapt the length
- Metal deck kit for installation over steel deck
- Extension tube for concrete greater thicker than 204mm



REF:	PIPE SIZE	FOOTPRINT	MIN. STEEL DECK OPENING	QTY	WEIGHT (KG)
Devices for combustible and noncombustible penetrants (Red Device)					
CD200	Ø 51 mm	131 mm X 131 mm	Ø 93 mm	6	0.50
CD300	Ø 76 mm	146 mm X 146 mm	Ø 108 mm	6	0.60
CD400	Ø 102 mm	172 mm X 172 mm	Ø 134 mm	6	0.75
CD600	Ø 152 mm	229 mm X 229 mm	Ø 184 mm	6	1.10
Devices for noncombustible penetrants (Black Device)					
CD200M	Ø 51 mm	131 mm X 131 mm	Ø 93 mm	6	0.50
CD300M	Ø 76 mm	146 mm X 146 mm	Ø 108 mm	6	0.60
CD400M	Ø 102 mm	172 mm X 172 mm	Ø 134 mm	6	0.75
CD600M	Ø 152 mm	229 mm X 229 mm	Ø 184 mm	6	1.10

REF:	PIPE SIZE	QTY	WEIGHT (KG)
Extension Tubes			
CD200X	Ø 51 mm	6	0.16
CD300X	Ø 76 mm	6	0.19
CD400X	Ø 102 mm	6	0.21
CD600X	Ø 152 mm	6	0.29
Metal Deck Adapters			
CD200DK	Ø 51 mm	6	0.20
CD300DK	Ø 76 mm	6	0.32
CD400DK	Ø 102 mm	6	0.40
CD600DK	Ø 152 mm	6	1.15
Tub Box Kit			
CD200T	Ø 51 mm	1	1.15

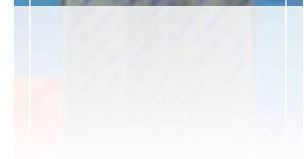
✓ Composite Sheet

The intumescent Composite Sheet is a lightweight, rigid firestop panel consisting of an intumescent layer bonded to a galvanized steel sheet reinforced with steel wire mesh covered with aluminum foil. It is designed to seal medium to large size openings with a variety of different penetrants. When exposed to temperatures in excess of 177°C, Composite Sheet expands minimum 15x to form a dense insulative char that minimizes heat transfer.

Physical Properties

- Highly intumescent – expands up to 15x
- Lightweight – easy handling and less hanging weight
- Easy to cut – using simple sheet metal tools
- Hole reduction – reduce large openings
- Versatile solution – wide range of applications

REF:	PIPE TRADE SIZE	QUANTITY	WEIGHT (KG)
CS1628	41 cm X 71 cm	1	2.72
CS2436	61 cm X 92 cm	1	5.00
CS3636	92 cm X 92 cm	1	7.26
CS3641	92 cm X 104 cm	1	7.71
CS2852	71 cm X 132 cm	1	8.62



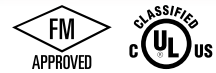
FyreFlange™ Firestop Angle

FyreFlange™ Firestop Angles consist of galvanized steel retaining angles with a layer of bonded intumescent material designed to be installed around the perimeter of non-dampened rectangular steel ducts. It can be installed as the duct is installed and inspected just once after the installation is complete.

In the event of fire, FyreFlange™ Firestop Angles prevent duct collapse and minimize deflection. When exposed to temperatures in excess of 177°C, its intumescent system expands to form a dense insulative char that stops the spread of fire and minimizes heat transfer.

Physical Properties

- Intumescent gaskets – expands to 15 times
- Economical – Saves labor
- Easy installation
- Versatile – use for insulated and non insulated ducts
- Can be installed over or under duct insulation
- No additional firestop materials required
- Easy identification and inspection
- Color – red



REF:	DESIGNATION	DIMENSIONS	QUANTITY	WEIGHT (KG)
FFA2208	Firestop Angle	51 mm X 51 mm X 244 cm	6	1.93
FFC22	Corner Clips	--	8 per bag	0.37
FFS22	Splice Pack	--	6 per bag	0.32

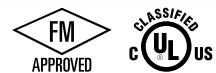
Powershield™ Electrical Box Inserts

Powershield electrical box insert is a one-component pad designed to provide passive smoke and fire protection in electrical switch or receptacle boxes.

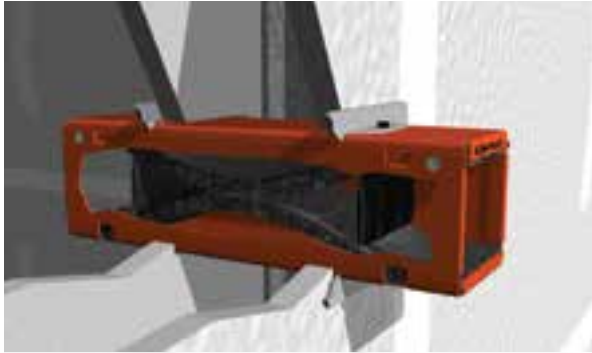
The intumescent insert has been designed to install inside the box, directly against the back wall. It features an adhesive strip applied to the back of the pad to ensure adhesion to the back of an electrical box.

Physical Properties

- Highly intumescent – Expands up to 24x
- Rapid expansion – seal off passage of fire and smoke quickly
- Water resistant – no soluble or hygroscopic ingredients
- Easy installation – just peel and stick it inside of box
- One step installation – saves time and labor
- Easy retrofit
- No clean-up required – no mess, no residue
- Thin profile to maximize area inside box
- Sound insulation (STC 64) – excellent sound attenuation properties
- Non-conductive liner face – safe for use inside box
- Color – red

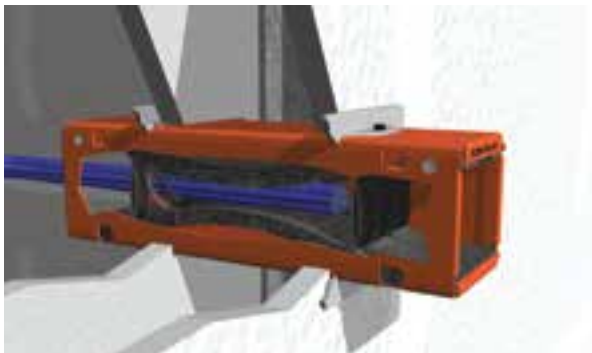


REF:	DIMENSIONS	QUANTITY	WEIGHT (KG)
EP44	9.5 cm X 9.5 cm X 0.32 cm	20	0.04
EP45	10.8 cm X 10.8 cm X 0.32 cm	20	0.07



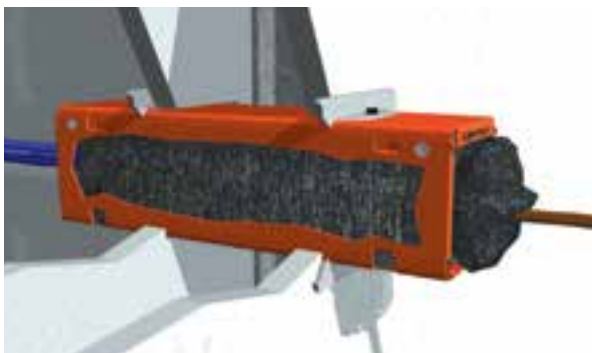
▲▼ Maximum Fire & Smoke Protection

- Maximum resistance to fire and smoke whether empty or 100% visually filled.
- Assures fire and smoke protection with every new or retrofit cable installation.
- Superior fire and smoke leakage vs. standard sleeve and putty systems.
- Unlike conventional sleeve and putty systems, EZ-Path® remains fire and smoke compliant 100% of the time.



▲▼ No Firestopping Required

- Built-in firestopping system automatically adjusts to the number of cables installed.
- Design assures it is firestopped at all stages of use.
- Mechanical application eliminates the use of sealant, putty and other products that need to be removed and replaced.

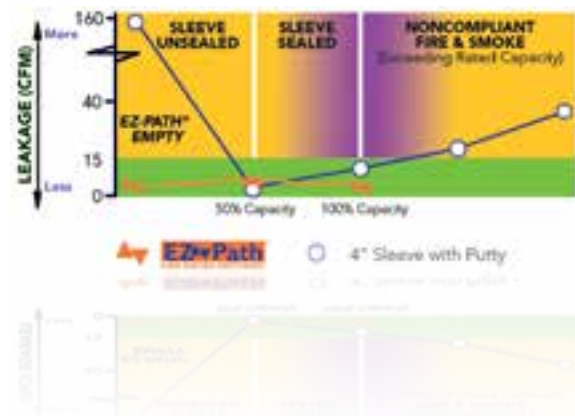


▲▼ Fast-Acting Intumescent Material

- Engineered for rapid expansion when exposed to fire or high temperatures.
- Intumescent material responds to flames or heat by quickly sealing the pathway and preventing the passage of flames and smoke.
- Innovative built-in firestop design assures it is firestopped and smoke-sealed — even at maximum cable loading.

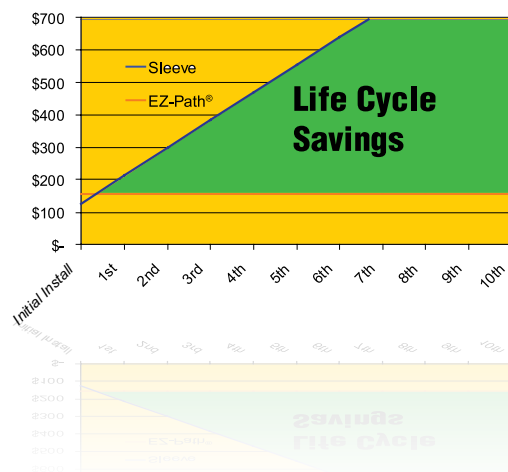
Performance

- UL® Classified and FM Approved in accordance with ASTM E814 (UL1479).
- UL systems are available for up to 4 hour rated floor and wall constructions.
- Tested according to EN 1366, DIN 4102 & BS 476.
- Test and approved for marine applications.
- Empty or full, EZ-Path® is continuously code compliant — 100% of the time.
- Tested and approved cable capacities range from 0 to 100% visual fill.
- U.S. Patent 6,732,481



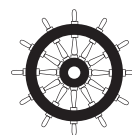
Pays For Itself In A Few Cable Changes

- All-in-one design installs in minutes.
- Conveniently packaged kits for easy installation — no additional parts to order.
- Splits apart for old work.
- Clean, professional, engineered appearance.
- Easy moves, adds and changes.
- Can be installed as the wall is being built.



Specifications

All data, video, and communications cable bundles shall utilize an enclosed fire rated pathway device wherever said cables penetrate rated walls. The fire-rated pathway shall contain a built-in fire sealing system sufficient to maintain the hourly fire rating of the barrier being penetrated. The self-contained sealing system shall automatically adjust to the installed cable loading and shall permit cables to be installed, removed, or retrofitted without the need to adjust, remove or reinstall firestop materials.





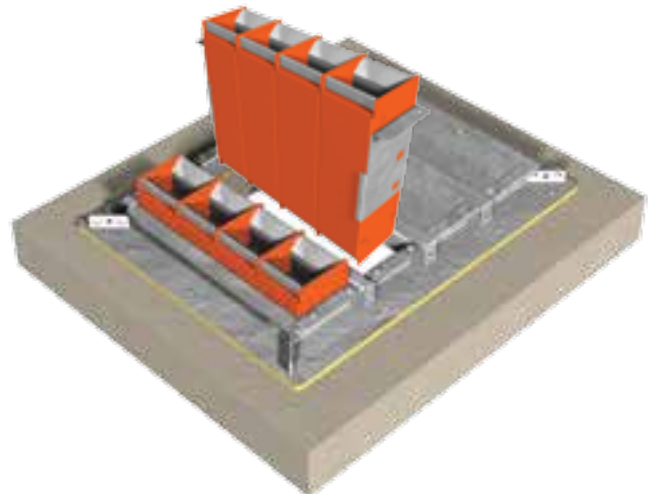
▲▼ Modular Floor Grid System

An EZ-Path® Solution for High Volume Cable Penetrations through Floors

Now there is a bolt-in solution for riser applications that brings the safety and simplicity of EZ-Path® to your vertical cable installations.

The EZ-Path® Modular Floor Grid System can handle literally thousands of cables.

Modular Floor Grid Systems utilize the high volume, EZ-Path® Series 44 Pathways installed in banks of four to provide your cabling systems with room to grow. Sturdy steel grids mount one, two or four banks of pathways in built-in slots for a total of up to sixteen pathways through a single floor opening. A single bank Floor Grid comes complete with Pathways. Multi-bank Modular Floor Grids are installed with firestop panels sealing each slot. As additional cable capacity is required, firestop panels are removed and pathway modules containing four pathways are installed in each slot.



Cat No. EZG844 ▼

Capacity: 8 Pathways



Cat No. EZG1644 ▼

Capacity: 16 Pathways

Cat No. EZD444 ▶

Capacity: 4 Pathways
Sold complete with grid and pathways





	SERIES 22	SERIES 33	SERIES 44
Height X Width	38 mm X 38 mm	76 mm X 76 mm	102 mm X 102 mm
Length	267 mm	267 mm	267 mm
Can Be Ganged	Up to 3	Up to 7	Up to 5 in walls Up to 16 in floors
Can Be Lengthened	--	152 mm increments	--
Insert Into Cored Hole	51 mm	102 mm	153 mm
Fire Rated In Walls / Floors	Up to 4 Hour	Up to 4 Hour	Up to 4 Hour
Approx. Max Cable Capacity	25 ±	120 ±	244 ±
Approx. Max Cable Capacity (Ganged)	75 ±	840 ±	1220 ±
Approx. Max Cable Capacity (Grid)	--	--	3904 ± in floors

REF:	DESCRIPTION	QTY	WEIGHT (KG)
EZ-Path® Series 22 Fire Rated Pathway Kits			
EZD22	22 Series - Fire-Rated Pathway Device Kit	6	0.91
EZ-Path® Series 33 Fire Rated Pathway Kits			
EZD33FWS	Series 33 - Fire-Rated Pathway Device	6	1.22
EZD33E	Series 33 - Extension Module	1	0.68
EZP133W	Series 33 - Single Square Wall Plate Pack	1	0.20
EZP133CW	Series 33 - Single Circular Wall Plate Pack	1	0.37
EZP233W	Series 33 - Double Wall Plate Pack	1	0.32
EZP333W	Series 33 - Triple Wall Plate Pack	1	0.47
EZP433W	Series 33 - Four-Gang Plate Pack	1	0.88
EZP733W	Series 33 - Seven-Gang Plate Pack	1	1.15
EZP133K	Series 33 - Single Kick-In Plate Pack - (For use with floor applications)	6	0.31
EZP133R	Series 33 - Retro-Fit Mounting Plate Pack	1	1.58
EZP133CA	Series 33 - Conduit Attachment Plate Pack	1	0.41
RCM33	Series 33 - One Pair (2) Radius Control Modules	1	0.02
EZ-Path® Series 44 Fire Rated Pathway Kits			
EZD44	Series 44 - Fire-Rated Pathway Device	4	3.04
EZDG444	Series 44 - Single Bank Floor Grid - Four (4) Devices With Floor Frame	1	18.60
EZD444MB	Series 44 - Single Bank of Devices - Four (4) Devices With Hanger Bracket	1	13.16
EZP144W	Series 44 - Single Wall Plate Pack	1	1.00
EZP544W	Series 44 - Multi Gang Wall Plate Pack	1	1.82
EZP144F	Series 44 - Split Floor Plate Pack	1	0.69
EZG844	Series 44 - Multi Slot Frame For Eight (8) Pathways	1	7.26
EZG1644	Series 44 - Multi Slot Frame For Sixteen (16) Pathways	1	12.03

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