



PRODUCT CATALOGUE
PROFESSIONAL BUILDING PRODUCTS
2018

FIRESTOP

FIRESTOP

- Only in 2016, over 120 thousand fires broke out in Poland, 58% of which in detached and multi-family houses which, as a rule, lack the passive fire protection.
- Tytan Professional Fire Stop enables to stop the spread of fire for up to 4 hours in the location of the outbreak, allowing time for evacuation and for the fire brigade intervention.
- All the products in the system hold the ETA (European Technical Approval) certificate which confirms their compliance with the most stringent requirements.

We spend the majority of our time inside buildings – starting from flats and houses and ending with workplaces and public buildings. Unfortunately, we seldom think about fire protection of these places. We are rarely disturbed by the thought that insufficient fire protection may result in some unfortunate events.

In case of a fire, the most striking phenomenon is the speed with which it spreads. The main reason for this is a large number of highly combustible elements which the fire encounters on its way. If a building is not specially designed to have the passive fire protection, it is usually consumed by fire to a large extent, even before the first crew of firefighters arrives.

Therefore, it is absolutely essential for the safety of buildings, but first and foremost, for the safety of the people within the building, to implement the solutions of passive fire protection.

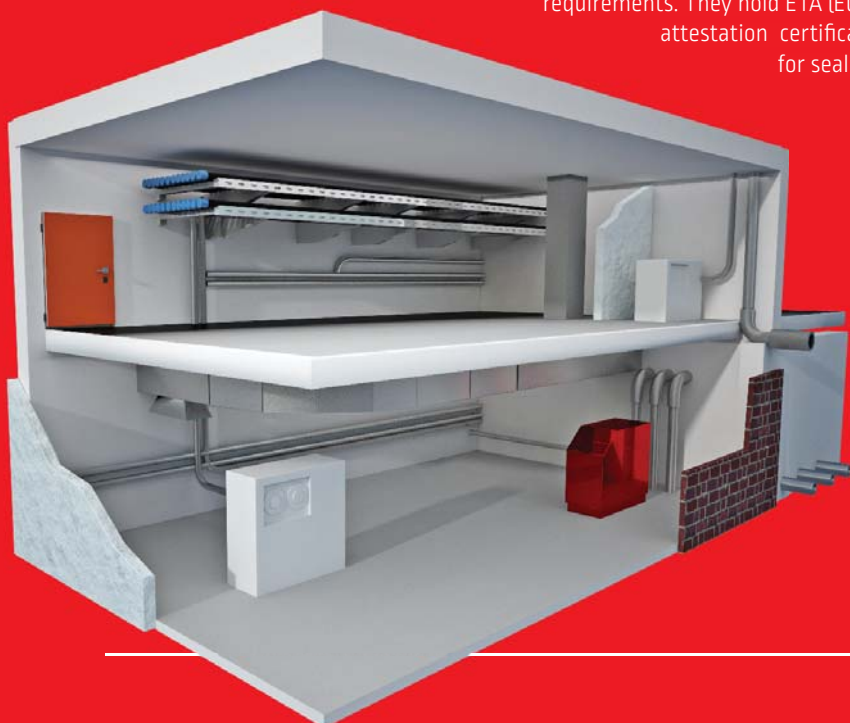
Thanks to the implementation of an appropriate passive fire protection system we can stop the spread of fire and contain it to the place of its outbreak for long enough to allow for an effective evacuation of a building, and by doing so facilitate the action of the crews of firefighters and minimize material damage.

This is the role of the passive fire protection system – to stop the destructive power of fire and contain it to the place where it broke out. Apart from that, the proper sealing of pipe and cable passages prevents smoke and toxic fumes from penetrating into other rooms which is also vital in the case of evacuation.

Tytan Professional Fire Stop System – the system of passive fire protection – is one of the most comprehensive solutions of this kind available on the market. The offer contains a wide array of products which meet the demands of modern construction. The line of Fire Stop products is made from top quality components and meets the most stringent quality requirements. They hold ETA (European Technical Approval) attestation certificate. These products are designed for sealing pipe and cable penetrations

and ventilation ducts. Most of them comply with the EI240 standard which means that when the sealing is properly made, it can prevent fire from spreading to other rooms for as long as 240 min. It is crucial in rooms exposed to the high risk of fire, such as boiler rooms, basements or garages.

Tytan Professional Fire Stop – the passive fire protection system, is a kind of insurance for a building, but first of all, it protects the lives of people in it. The installation of the system is relatively low-cost in the scale of the whole building, but in case of fire, when every minute counts, the system can save people's lives and minimize the losses.





FIRESTOP

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B1 PU Gun/ Straw Foam



Technologically advanced gun polyurethane foam, classified as slow combustible and fire-retardant. B1 PU GUN Foam seals against smoke, is self-extinguishing and does not create dripping fireballs when on fire. Product does not emit MDI during application and possess M1 emission class for building materials – once cured, the product does not emit any hazardous substances.

APPLICATIONS:

- Filling linear gaps
- Filling gaps around penetrations

BENEFITS:

- Fire resistant class EI 240 EN 13501-2:2008, B1 DIN4102
- ETA – European Technical Assessment
- M1 emission class
- O₂ 0% MDI emission
- Self-extinguishing
- Excellent adhesion to most building materials

TECHNICAL PARAMETERS:

- High yield: up to 42 l
- Cutting time: 40 min
- Low post expansion: up to 120%

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B1 PU Gun/ Straw Foam	750 ml	Can	12	720

B12K PU Foam



B12K PU Foam is intended to be used to temporarily or permanently reinstate the fire resistance performance of flexible wall constructions, rigid wall constructions and rigid floor constructions where they have been provided with apertures which are penetrated by various cables, conduits/ tubes, pipes and installation supports (perforated or non-perforated steel cable trays and steel ladders).

APPLICATIONS:

- Cable connectors and routes

BENEFITS:

- Fire resistant class EI 120
- Adjusts to any shape
- Fast curing – residues can be cut off after 2 min
- European Technical Assessment

TECHNICAL PARAMETERS:

- Yield: up to 2,1 l
- Colour: red-brown
- Reaction to fire: class E
- Shelf life: 12 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B12K PU Foam	380 ml	Cartridge	6	720

B1 Fire Acrylic



High specification formulation designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors, specifically linear movement joints and openings for building service penetrations. B1 Fire Acryl expands when it is subjected to fire and closes openings around penetrations when any combustible or low temperature melting materials have burnt away.

APPLICATIONS:

- Dilatations up to 100 mm width
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and installations
- High sound insulation
- Movement up to 12,5%

TECHNICAL PARAMETERS:

- Reaction to fire: class D-s1, d1
- Flexibility: 12,5%
- Skin formation time: 25 min
- Colour: white, grey, red
- Shelf life: 18 months

Product name	Content	Packaging	Pieces per box	Pieces per pallet	Colours
B1 Fire Acrylic	310 ml	Cartridge	12	1 920	White, grey, red
	600 ml	Foil	12	1 092	White, grey, red

B1 Fire Graphite



High specification formulation designed to prevent the spread of fire, smoke and gases through openings in fire rated walls and floors. B1 Graphite expands when it is subjected to fire and closes openings around penetrations when any combustible or low temperature melting materials have burnt away.

APPLICATIONS:

- Cable connectors
- Plastic pipes with diameter up to 110 mm

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Expands when exposed to fire

TECHNICAL PARAMETERS:

- System of curing: neutral
- Curing rate: 2,0 mm/ 24 h
- [+23°C, 50% RH]

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B1 Fire Graphite	310 ml	Cartridge	12	960

B1 Fire Sealant



High performance, professional quality, one part ready to use sealant and adhesive. Based on an innovative new Inert Polymer Technology it is suitable for a wide variety of building trade applications including decorating, flooring, joinery, plumbing and tiling and out-performs conventional silicone, MSP, butyl and acrylic based products as a sealant and adhesive – the only sealant free from dangerous emissions.

APPLICATIONS:

- Dilatations up to 100 mm width
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and instalations
- One solution for all internal building applications

TECHNICAL PARAMETERS:

- Reaction to fire: class D-s2, d0
- Shore A hardness: 47
- Skin formation time: 30 min
- Classification CE: 25 HM

Product name	Content	Packaging	Pieces per box	Pieces per pallet
B1 Fire Sealant	300 ml	Cartridge	12	960
	600 ml	Foil	12	540

B1 Fire Wrap



B1 Fire Wrap is designed to maintain the fire resistance of fire separating walls and floors when these are breached by continuous plastic pipes or metal pipes with combustible insulation and may be used in gypsum, masonry or concrete walls and concrete floors. Each pipe wrap consists of a graphite based reactive intumescent strip which reacts to heat and closes the opening left by the softening plastic pipe or pipe insulation in fire.

APPLICATIONS:

- Steel pipes in rubber insulation
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assesment
- Supplied in many different sizes

TECHNICAL PARAMETERS:

- Foam yield: up to 2,1 l
- Colour: red-brown
- Reaction to fire: class E
- Shelf life: 12 months

Product name	Content	Pieces per box	Pieces per pallet
B1 Fire Wrap	55 mm	25	500
	82 mm	25	500
	110 mm	25	500
	125 mm	12	200
	160 mm	12	120
	200 mm	–	10
	250 mm	–	10
	50 mm x 25 m	–	10
	75 mm x 25 m	–	10

B1 Fire Mortar Gypsum



B1 Fire Mortar Gypsum is a dry white powder consisting of inorganic compounds and perlite. When mixed with water the compounds form a highly thermally insulating fire seal to prevent the spread of fire and smoke through openings in fire rated walls and floors, including openings formed to accommodate building service penetrations.

APPLICATIONS:

- Copper, steel, plastic and composite pipes
- Cable connectors and routes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Fully set within 1 h
- High mechanical resistance

TECHNICAL PARAMETERS:

- Dry density: 900 kg/m³ when fully cured
- Sound insulation: 64 dB
- Hardened: < 1 h
- Totally hardened: up to 30 days

Product name	Content	Packaging	Pieces per pallet
B1 Fire Mortar Gypsum	20 l	Bag	63

B1 Fire Board

Fire Board has been designed to maintain the fire resistance of separating walls and floors where they are breached by single or multiple building services. The board consists of a rigid stone wool core, sealed with special coating on one or both sides. The coating provides an important barrier to the passage of fire, smoke and hot gases through the thickness of the board.



APPLICATIONS:

- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Easy and quick installation
- High sound insulation

TECHNICAL PARAMETERS:

- Density: 160-180 kg/m³
- Flexibility: low to medium; 12,5%
- Sound insulation: over 55 dB

Product name	Content	Pieces per pallet
B1 Fire Board	50 mm 1-sided smooth	80
	50 mm 2-sided smooth	80
	60 mm 1-sided smooth	72
	60 mm 2-sided smooth	72
	50 mm 1-sided ribbed	80
	50 mm 1-sided ribbed	80
	60 mm 1-sided ribbed	72
	60 mm 1-sided ribbed	72

B1 Fire Collar

B1 Fire Collar is designed to maintain the fire resistance of fire rated walls and floors where these are breached by continuous plastic pipes, and may be used in gypsum, masonry and concrete walls and floors. The steel shell contains a graphite based reactive material which reacts when exposed to heat closing the openings left by the softening plastic pipe in fire.



APPLICATIONS:

- Sealing plastic pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- Supplied in many different sizes

Product name	Content	Pieces per box	Pieces per pallet
B1 Fire Collar	55 mm	24	240
	82 mm	24	240
	110 mm	24	240
	125 mm	24	200
	160 mm	12	120
	200 mm	–	10
	250 mm	–	10
	315 mm	–	10

Fire Block 113



Fire Block 113 PRO is a Type V residential fire block designed for the most extreme high heat and low humidity regions. It offers industry-leading expansion to fill and seal gaps in the most extreme conditions. Fire Block 113 can be applied in conditions up to 113°F ambient and can temperature without shrinking and melting in the gap. Fire Block 113 will work the first time and not require a second application like other fire block foams. Fire Block 113 meets or exceeds all fire block and draft stop standards. It is not an approved fire stop sealant. Fire Block 113 is safe to be used around windows and doors and offers minimal shrinking. It is orange in color for easy recognition and inspection.

APPLICATIONS:

- Applications include electrical outlets, wire passages, ductwork, and any air passages from one building area to another
- Excellent to seal concealed penetrations between the floors or rooms in residential construction (type V or "combustible") to block the passage of flame and smoke. It offers premium adhesion to most construction materials including: wood, metal, masonry, glass, and most plastics

TECHNICAL PARAMETERS:

- Cutting time: 40 min
- Fully cured: 24 h
- Application temperature: 59°F to 113°F
- Shelf life: 12 months

BENEFITS:

- High adhesion to surface
- Low adhesive open time
- High adhesive yield

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fire Block 113	24 oz	Can	12	720

Fire Block Extreme



Fire Block Extreme PRO is a fire blocking foam sealant designed to work in the most extreme conditions, from -4°F to 100°F ambient temperatures. Though Fire Block Extreme is ideal for all high and low humidity applications, but Fire Block 113 is the recommended in desert climates. Though it is not approved as a fire stop, Fire Block Extreme is a certified draft stopping and fire blocking product. It is orange in color for easy inspection recognition. Fire Block Extreme uses a minimal shrinking technology to ensure an airtight seal, while providing industry-leading yield and is safe to be used around windows and doors. It offers minimal post-expansion for small gap filling while also being capable of filling gaps up to three inches. It offers premium adhesion to most construction materials including: wood, metal, masonry, glass, vinyl, and some plastics.

APPLICATIONS:

- Sealing for window fitting
- Sealing for door fitting
- Filling free spaces, cracks, gaps, pipe penetrations
- Sealing roof, wall and floor joints
- Thermal insulation
- Acoustic insulation

TECHNICAL PARAMETERS:

- Cutting time: 40 min
- Fully cured: 24 h
- Application temperature: -4°F to 100°F
- Shelf life: 12 months

BENEFITS:

- High foam yield
- Foam pressure
- Foam volume increase (postexpansion)
- Low foam flammability

Product name	Content	Packaging	Pieces per box	Pieces per pallet
Fire Block Extreme	24 oz	Can	12	720

The letters EI on the passive fire protection products signify the level of their integrity i.e. fire tightness, the thermal insulation capacity of a partition. The highest possible level which can be granted to the partition is EI 240 which means that the partition can prevent fire from penetrating to the other side of it for as long as 240 minutes.

Graphite, which is used in fire resistant flanges and bands, when exposed to fire, expands to 16 times its original size, and by doing so, it closes the opening which is left after plastic pipes have melted.





WATCH
SELENA VIDEO:



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