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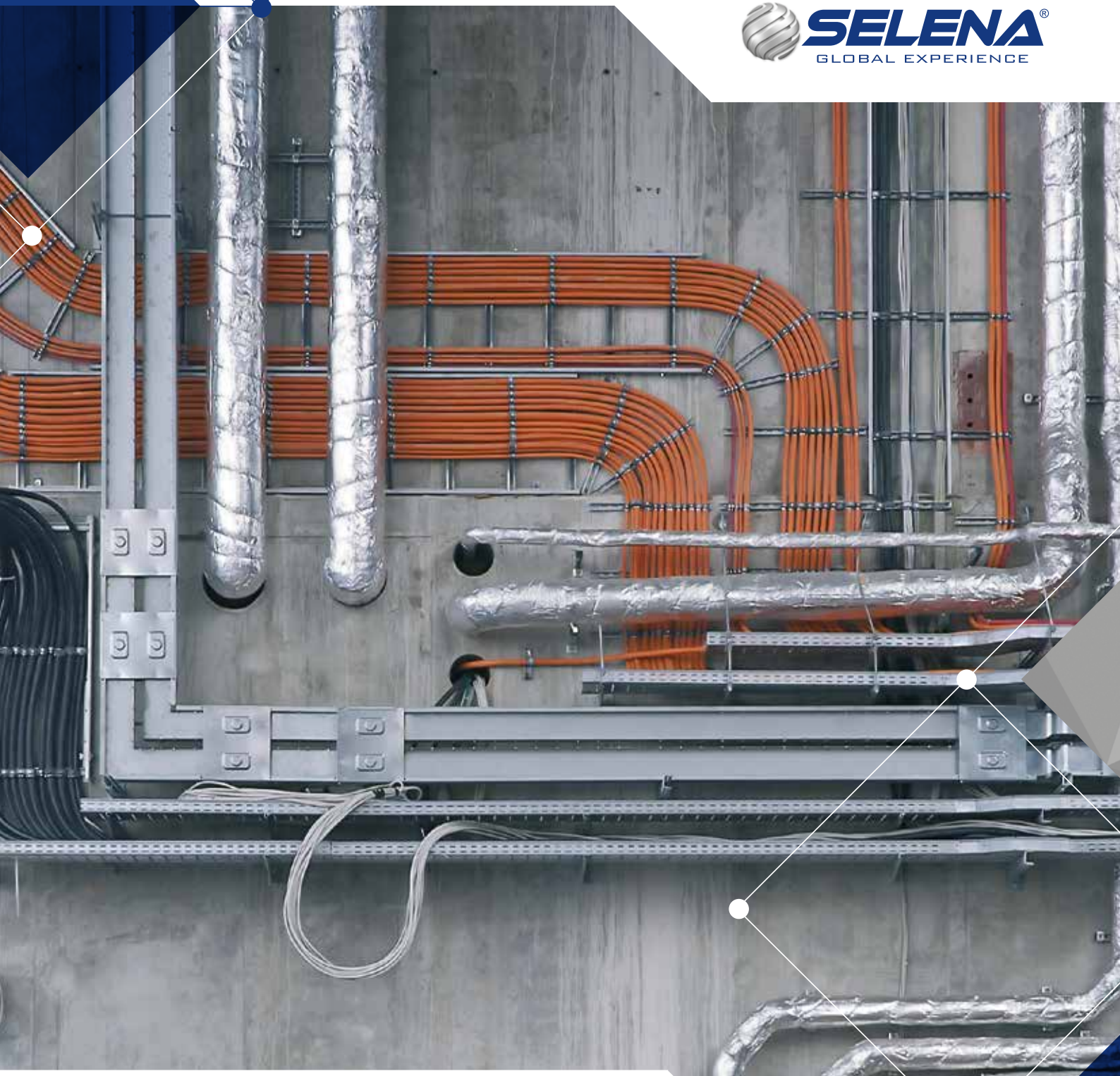

FIRESTOP

PRODUCT CATALOGUE

PROFESSIONAL BUILDING PRODUCTS

2021/22

FIRESTOP

- In 2016 over 120 thousand fires broke out in Poland, with 58% concerning detached and multi-family houses which, as a rule, lack passive fire protection.
- Tytan Professional FIRESTOP stops the spread of fire for up to 4 hours in the location of the outbreak, allowing time for evacuation and for the fire services to intervene.
- All the products in the system hold ETA (European Technical Approval) certification, which confirms their compliance with the most stringent requirements.

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

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

Therefore it is essential, not only for the safety of buildings but first and foremost for the safety of the people within them, to implement solutions related to passive fire protection.

Thanks to the inclusion of an appropriate passive fire protection system we can prevent the spread of fire and contain it within the area it began for long enough to achieve the effective evacuation of the building, and by doing so facilitate the actions of the firefighters and minimize the material damage.

This is the role of passive fire protection system – to inhibit the destructive power of fire and contain it within the space it first occurred. Apart from that, the proper sealing of pipe and cable routing prevents smoke and toxic fumes from penetrating into other rooms, which is also vital for evacuation.

Tytan Professional FIRESTOP System – for passive fire protection – is one of the most comprehensive solutions of its kind available on the market. It offers a wide array of products designed to meet the demands of modern construction. The Fire Stop product line is based on high quality components and meets the most stringent quality requirements. It holds ETA (European Technical Approval) attestation. These products are designed for sealing pipe, cable and ventilation duct penetrations. Most of them comply with the EI240 standard, which means that a properly sealed penetration can prevent fire from spreading to other rooms for as long as 240 minutes, crucial for rooms exposed to a high risk of fire, such as boiler rooms, basements and garages.

Tytan Professional FIRESTOP – for passive fire protection – is like building insurance, but it primarily protects the lives of the people in it. The installation of the system is relatively low-cost in relation to that of the whole building, but in the case of a fire, when every minute counts, the system can save people's lives and minimize the losses.

FIRESTOP

FIRESTOP

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 balls of fire. Product does not emit MDI during application and possesses 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
- O_3 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

B1 2K PU Foam

B1 2K PU Foam is intended to be used for temporary or permanent reinstating of the fire resistance performance of flexible wall constructions, rigid wall constructions and rigid floor constructions where they have apertures for use 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 minutes
- 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
B1 2K 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 after any combustible or low temperature melting materials has burnt away.

APPLICATIONS:

- Penetrations up to 100 mm wide
- 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 gas through openings in fire rated walls and floors. B1 Graphite expands when it is subjected to fire and closes openings around penetrations after any combustible or low temperature melting materials has burnt away.

APPLICATIONS:

- Cable connectors
- Plastic pipes with diameters 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 wide
- Cable connectors
- Copper, steel, plastic and composite pipes

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment for dilatations and installations
- 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 as well as 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 a fire.

APPLICATIONS:

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

BENEFITS:

- Fire resistant class EI 240
- European Technical Assessment
- 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 high thermal insulation 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 a special coating on one or both sides. The coating provides an important barrier to the passage of fire, smoke and hot gas 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, for use 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.

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

FIRESTOP

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 an industry-leading expansion ability to fill and seal gaps under the most extreme conditions. Fire Block 113 can be applied in ambient conditions of up to 113°F and can temperature without shrinking and melting in the gap. Fire Block 113 works first time and does 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 colour 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 surfaces
- 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, for ambient temperatures of -4°F to 100°F. Although Fire Block Extreme is ideal for all high and low humidity applications, Fire Block 113 is recommended in desert climates. Although it is not approved as a fire stop, Fire Block Extreme is a certified draft stopping and fire blocking product. It is orange in colour 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 of 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 (post-expansion)
- 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 passive fire protection products signify the level of their integrity i.e. fire security, the thermal insulation capacity of a partition. The highest possible level for a partition is EI 240, which means that the partition can prevent fire from penetrating to the other side for up to 240 minutes.

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

WATCH
SELENA VIDEO:

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