FIRE STOP BARRIERS

APPROVAL
Class EI 120 Non toxic and asbestos free.
In compliance with standard EN 1366-3.

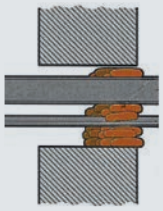
FIRE STOP BAG

Fire stop barrier in an intumescent bag.

Intumescent incombustible bags which stop the passage of fire through openings in walls. They are available in different sizes and they have to be placed to seal the openings, both in walls and floor slabs. At a temperature of 200°C the material starts to compact sealing the gaps thus avoiding the passage of the flames.

- **Made from a fireproof fabric.**
- **Contains intumescent putty seal inside.**

PRODUCT / Item	Bag dimensions
FSB-11 FSB-11	mm 250 x 100 x 25
FSB-12 FSB-12	mm 250 x 200 x 35
FSB-13 FSB-13	mm 250 x 300 x 35



INSTALLATION
Finish and opening then lay, the bags as bricks, staggered and overlapped.

For the application on plasterboard walls please contact Raytech.

APPROVAL
Class EI 120
Non toxic, asbestos and solvent free.
In compliance with standard EN 1366-3.

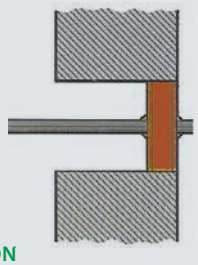
FIRE STOP PANEL

Fire stop barriers in panels.

Incombustible panels treated on the surface with putty to stop the passage of fire through openings in walls. This product allows for the sealing of cavities in walls safely and cost effectively.

- **Manufactured from Rockwool.**
- **Coated with putty.**
- **Resistant to mould and bacteria .**

PRODUCT / Item	Dimension (mm)
FSP-11 FSP-11	600 x 600 x 51



INSTALLATION
Finish and clean the opening edges then cut the panels with a cutters and position them in the opening. The edges and the jointing lines, as well as the interstices among the cables, are sealed and covered with FIRE STOP SEAL FSS sealant..

For the application on plasterboard walls please contact Raytech.

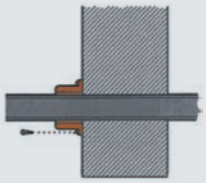
FIRE STOP COLLAR

Fire stop transit collar for plastic pipes.

Fire stop barrier transit collar for plastic pipes (minimum wall thickness 200mm). Available in a wide range of dimensions to surround pipes that pass through walls.

- **Stainless steel outer band.**
- **Contains intumescent putty seal inside.**

PRODUCT / Item		Ø (mm)
FSC 11	FSC-11	from 63 to 110
FSC 12	FSC-12	from 110 to 160
FSC 13	FSC-13	200
FSC 14	FSC-14	250



INSTALLATION
No special care is required: the collar, when opened, is positioned around the duct, closed and fastened by means of inserts.

For other dimensions and installation please contact Raytech.

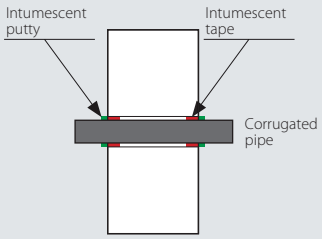
APPROVAL
Class EI 120 non toxic and asbestos free.
In compliance with standard EN 1366-3.

FIRE STOP TAPE

Fire stop barrier in an intumescent tape for plastic corrugated pipes.

Fire stop barrier in an intumescent tape for the crossing closure of single corrugated pipes. Highly heat-sensitive, intumescent graphite tape with high expansion properties for the protection of corrugated electrical pipes containing cables. Applied on both sides of the pipe crossing through the wall so as to surround the pipe. The heat from a fire causes the tape to expand and fill all possible voids.

RECOMMENDATION
The solution is 10m long, and it can be cut at the required length, saving the remaining parts for a future application.
Can also be used in conjunction with FSCI, FSSE, FSCC box covering protections.



INSTALLATION
Wrap the tape twice around the corrugation, on both sides of the wall, fitting it in the through hole. Seal with FIRE STOP SEAL (FSS) sealant putty. Let dry.

PRODUCT / Item	Application corrugated pipe diameter range (mm)	Width (mm)	Thickness (mm)	Length (m)
FST-E-25/32 FST-E-25/32	da 25 a 32 *	20	2	10

*containing cables up to 10 mm^2

APPROVAL
Class EI 120 non toxic and asbestos free.
In compliance with standard EN 1366-3.

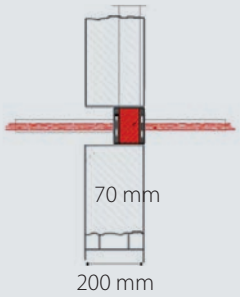
APPROVAL
Class EI 120
Non toxic and asbestos free.
Does not emit toxis gases and dense fumes.
In compliance with standard EN 1366-3.

FIRE STOP SEAL

Fire stop barrier in intumescent sealing mastic.

Intumescent mastic to seal and close small voids in walls, also in addition to other types of barriers. It is applied to seal a void or to provide a barrier in a cable duct.

- **A polymer compound with fireproof fibres and intumescent in an aqueous solution.**
- **Non-hygroscopic and thixotropic.**
- **Can be applied with a spatula.**



INSTALLATION
Once the edges of the opening have been finished and cleaned, the sealant putty is put in place with a spatula in the case of boxed product, or with a spatula or silicone gun for cartridge product.

For other dimensions or the application on plasterboard walls please contact Raytech.

PRODUCT / Item		Package
FSS 310	91000-010	0,3 kg cartridge
FSS 10	FSS-10	Spatula type, 10 kg drum

Intumescent sealant putty for corrugated pipes.

Mastice contenente grafite altamente sensibile al calore, specifico per tubazioni corrugate elettriche contenenti cavi; l'attraversamento può contenere fino a 2 corrugati da 25mm appaiati nello stesso foro, con cavi di sezione fino a 10mm^2.

PRODUCT / Item		Package
FSS-E-300	FSS-E-300	0,3 lt cartridge

INSTALLATION
The putty must be applied on both sides of the piping crossing through the wall.

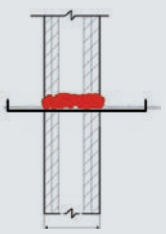
APPROVAL
Class EI 120
Non toxic and asbestos free.
Does not emit toxis gases and dense fumes.
In compliance with standard EN 1366-3.

FIRE STOP FOAM

Fire stop barriers in expanding foam.

Single-component expandable sealant foam for filling and fire sealing of small crossing gates on cable duct channels that have been previously compartmented with FSB bags and small gaps. Each canister covers a volume of approximately 20 L.

- **Made from a fire resistant polyurethane based foam.**
- **Graphite fortified.**
- **Hardens upon contact with air.**
- **Suitable for the protection of plasterboard walls or slabs.**



INSTALLATION
After the edges of the openings have been cleaned, shake the can for at least 30 seconds, then turn upside down and spray the product.

PRODUCT / Item		Package
FSF 700	FSF-700	Spray can of 750 ml

FSC-TPC

Fire stop barrier for plastic and/or corrugated pipes with cables.

Protection designed to be built into the wall after pipes have been installed. Can be installed in locations where the construction support is damaged and there is an annular space around the services. It is possible to protect mixed corrugated plastic pipes in the same crossing.

- **For PE/PP, PVC, Abs pipes containing electrical cables or other services.**
- **Pipes can be grouped and protected in bundles.**

PRODUCT / Item		For pipes with Ø (mm)
FSC-TPC 050	FSC-TPC-050	50
FSC-TPC 060	FSC-TPC-060	60
FSC-TPC 090	FSC-TPC-090	90
FSC-TPC 120	FSC-TPC-120	125

INSTALLATION
Clean the pipe. Open the sleeve longitudinally, place it around the pipe and clamp it on it using special metal tabs. Push the collar towards the centre of the wall.

Fix with FSS putty in the event of installation on a special crossover pipe.

Contact Raytech regarding through openings or installation on inclined piping.

APPROVAL
Class EI 120
Non toxic and asbestos free.
Does not emit toxis gases and dense fumes.
In compliance with standard EN 1366-3.

FSM

Fire stop barriers in incombustible plaster.

Protective coating to seal and prevent fire propagation in wall cavities; it can be applied manually or sprayed. It can be easily mixed in big quantities with suitable mixer (e.g. concrete mixer).

- **Made from mineral fibres.**
- **Simply mix with water and with or without cement mixes.**
- **For gates on walls or slabs.**

PRODUCT / Item		Package
FSM 20	FSM-20	20 kg bag

INSTALLATION
After the edges of the openings have been finished and cleaned, the incombustible plaster is mixed with water, than applied manually, with a trowel or a pump, and left to dry in air. Water quantity: about 0,85 lt/kg (volume 1 kg = about 2,5 dm^3).

For other applications please contact Raytech.

APPROVAL
Class EI 120
Non toxic and asbestos free.
Does not emit toxis gases and dense fumes.
In compliance with standard EN 1366-3.

FSCP

Fire stop barriers for ceiling lights.

Fireproof barriers for fluorescent lights in suspended ceilings. Maintains conditions of fire resistance of ceilings and suspended ceilings. Slightly reduces the temperature in the space between the ceiling and the ceiling panel.

- **Made from non-toxic mineral fibres.**
- **Prevents propagation.**
- **Flexible, light and self-supporting, easy to install and to remove.**

PRODUCT / Item	Dimension (mm)	Weight (kg)
FSCP 600 FSCP-600	720 x 750 x 150	1,7 circa
FSCP 1200 FSCP-1200	1330 x 720 x 140	3,5 circa

INSTALLATION
No special care is required. The protection must be placed on the ceiling light grid adhering to the panel.

APPROVAL
Class EI 120
Non toxic and in compliance with standard EN 1365-2 • 1363-1.

APPROVAL
Class EI 120
Non toxic.
It expands up to 5 times.
In compliance with standard
EN 1365-2 • 1363-1

FSCF

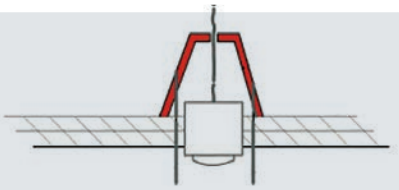
Fire stop hoods for downlighters.

Fireproof dome shaped hood for downlighters in suspended ceilings. Maintains conditions of fire resistance of ceilings and suspended ceilings. Prevents fire propagation and slightly reduces the temperature in the void between the ceiling and the suspended ceiling.

- **Made from non-toxic mineral fibres.**
- **Resistant to fire and expandable compounds.**
- **Prevents lamp overheating.**
- **Flexible, light and self-supporting.**
- **Easy to install and to remove.**

INSTALLATION
No special care is required.
The protection must be placed on the spotlight, adhering to the panel.

For other dimensions please contact Raytech.



PRODUCT / Item	Dimension (mm)	Type
FSCF 250 FSCF-250	250 x 280	Cone-shaped
FSCF 350 FSCF-350	350 x 230	Dome-shaped

APPROVAL
Class EI 120
Non toxic.
In compliance with standard
EN 1364-1

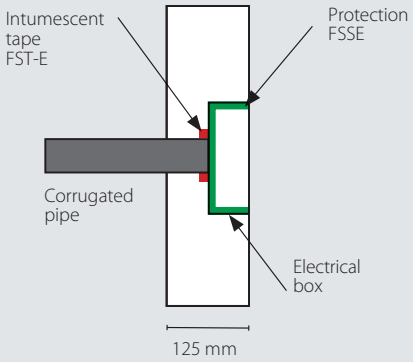
FSSE

Intumescent fire stop barrier for electrical boxes.

Intumescent barrier for the fire protection of electrical system components built into walls.

- **Inserted in electrical boxes.**
- **Protection with high expansion properties.**
- **Guarantees wall conditions in the event of a fire.**

INSTALLATION
The protections are inserted inside the box before the insertion of modules. Protect corrugated pipes crossing walls with FST-E-25/32



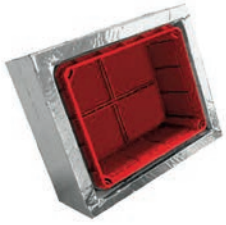
PRODUCT / Item	For electric boxes
FSSE 01 FSSE01	Up to three modules (type 503)
FSSE 02 FSSE02	Up to six modules (type 506)

FSCC

Fire stop barriers for covering enclosures.

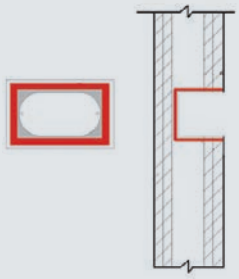
Fire protection system for electrical enclosures and junction boxes. These protect plasterboard wall compartments from heat and fire propagation.

- **Made from calcium silicate.**
- **Contains enclosure.**



APPROVAL
Class EI 120
Non toxic and asbestos free.
Does not emit toxis gases and dense fumes.
In compliance with standard EN 1364-1.

INSTALLATION
After the opening edges have been finished and cleaned, the protection is properly placed and fixed to the wall by means of screws and putty.



PRODUCT / Item	External dimension (mm)	Internal dimension (mm)
FSCC 150 FSCC-150	150 x 120 x 75	110 x 80 x 55

FSCO T110

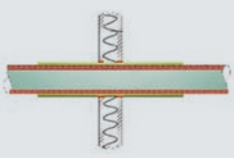
Metal pipe insulating mat protective barrier.

The FSCO T110 barrier is made up a flexible and easily conformable, highly fire resistant insulating mat. It is clad with an aluminium sheet and protects insulated or non-insulated metal piping in wall crossings. The product is cut and modelled with ease, wrapped in a single layer around the pipe, and then closed with aluminised tape. Protects metal piping crossing walls or slabs, preventing longitudinal transmission of heat and fusion of any insulating material.

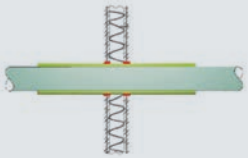
- **Composed of fibres free of any resins or organic binders.**
- **For wall thicknesses of at least 125 mm.**

APPROVAL
Class EI 120
Non toxic and asbestos free.
In compliance with standard
EN 1366-1 • EN 1366-3 • EN 1366-5

INSTALLATION
The product is laid in a single layer around the pipe, matching the edges and fastening them with aluminised tape. The installation is then reinforced with wrapped steel wire pulled with pliers. It is positioned letting at least 430 mm come out from each side.



Pipe with insulation



Pipe without insulation

PRODUCT / Item	Colour	Width	Thickness	Length
FSCO T110 FSCO-T110	Aluminium	1 m	20 mm	5 m