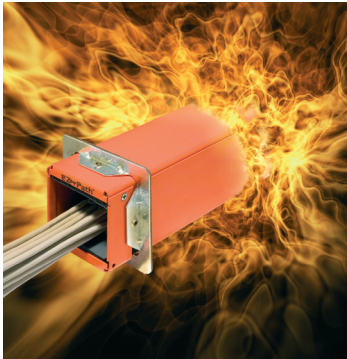


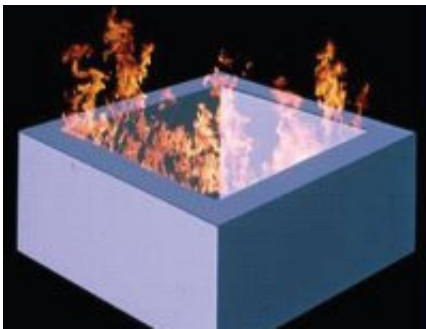
EZ-Path® Fire Protection



Preventing a fire from spreading not only saves lives but can significantly reduce further damage to property.

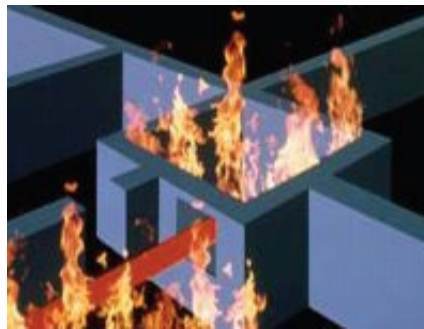
Fire prevention is a critical factor in electrical installations. Specialist designers have the task of making these installations safe and flexible whilst respecting the rules relating to passive protection.

FIRE PROTECTION RULES



Compartmentation of different zones

By containing a fire, it prevents the fire from spreading to the rest of a building



Stop fire from spreading as a result of gaps in the wall and flammable cable sheaths. Because they extend throughout the entire building, they allow fire to spread easily.



Restore the integrity of compartments in different zones.

After feeding electrical cables through a wall, it is vitally important to restore the integrity of firestop walls using a firestop product that offers at least the same level of protection as the original wall.

SOLUTIONS

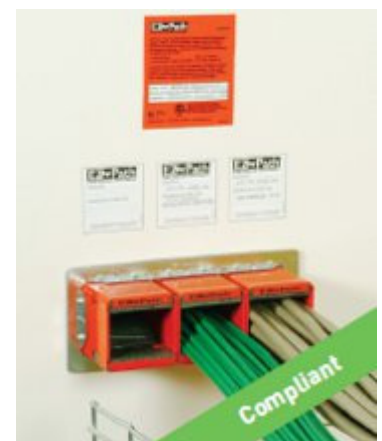
Conventional Firestops

Made from foam, putty or mortar. The disadvantage of these products is that the caulk has to be destroyed in the event of adding cables.

Without guaranteeing the integrity of the wall by rebuilding its compartmentation, it may no longer comply with fire protection requirements.

EZ-Path® Firestop Device

The innovative system offered by EDP Europe



EZ-Path®

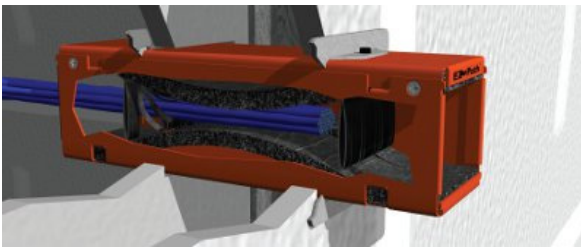
The relentless development of electrical and datacom installations demands readily adaptable firestop solutions. EZ-Path® is able to satisfy both the requirements associated with modern buildings, and those imposed by fire protection regulations.

GUARANTEED FIRE PROTECTION



The EZ-Path® firestop module contains pre-installed intumescent foam which reacts spontaneously at 177°C (350°F) or above or when in direct contact with flames. In less than a minute, the foam expands to 16 times its original size, fills any gaps and hardens, thereby sealing the pathway. The firestop in the wall regains its impermeability and stops the fire from spreading. As a result, property is protected and the building can be safely evacuated.

PROTECTION OF PEOPLE



During normal, non-disaster scenarios, the convex shape of the intumescent foam ensures it remains in close contact with the cables, reducing the leakage rate and minimising the spread of cold fumes generated when fires start. At 177°C and above, the intumescent foam expands rapidly to permanently block the pathway. Toxic gases are unable to pass and lives are saved.

MAINTENANCE AND DEVELOPMENT

As soon as EZ-Path® is installed and even before the cables are pulled through, the pre-installed intumescent foam within the module guarantees firestop protection. The module remains functional, regardless of how many cables there are running through it. At any stage of the project, the installer and then the operator can use this flexible cable routing facility to add or remove cables without altering the level of firestop protection at any point.

COMPLIANCE GUARANTEED

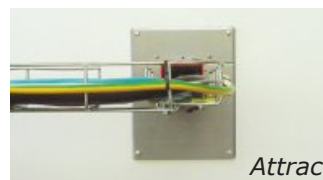
Tested by the major independent laboratories, the EZ-Path® system complies with the applicable standards and has been awarded the relevant certificates. The shape of the modules ensures there is just the right amount of intumescent material for the number of cables present. As the system is modular, networks can be kept physically separate and circuits identified.

ADDITIONAL FEATURES AND BENEFITS

The modules' convex slats closely mirror the shape of the cables, leaving no visible gap, restrict the leakage rate to 0.5 m³/h and reduce noise pollution by 45 dB. The particular design used, combined with the finishing plates, give the modules unrivalled aesthetic appeal. The colour used (RAL3001 red) is part of the colour-coded system associated with fire protection.



Convex slats

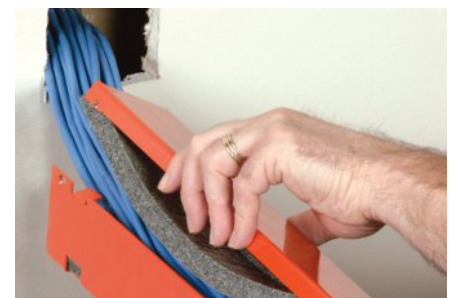


Attractive design

A FAST AND FLEXIBLE SYSTEM

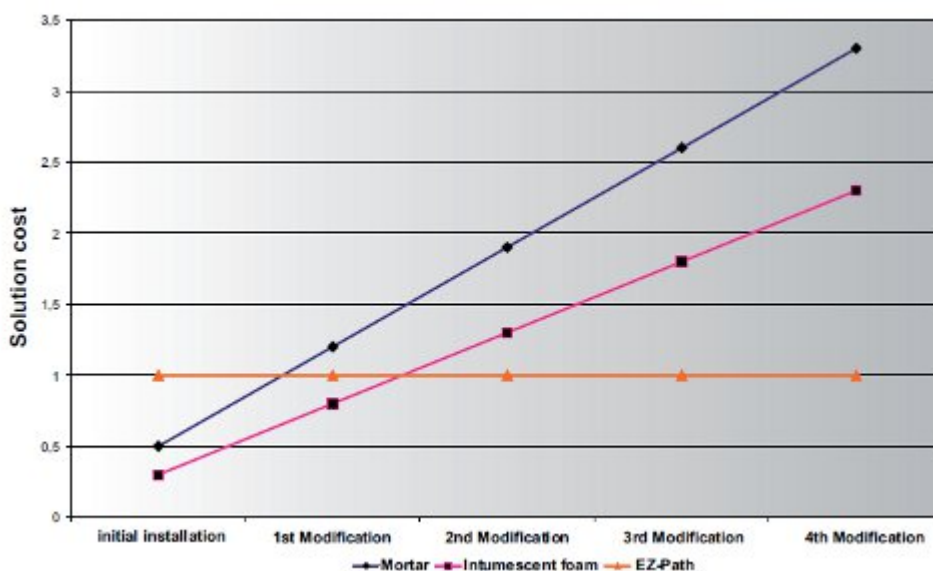


The EZ-Path® range offers 3 different sizes of module. Thanks to their innovative accessories, the modules can be installed quickly and easily without the need of any specialist tools or qualifications.



Its versatility means the system can adapt to any type of opening, including concrete walls and floors, or dry wall. Extensions are available for thicker walls. Modules can be removed and opened up to facilitate installation around any cables already in place.

COST MANAGEMENT



The EZ-Path® system is by far and away the most cost-effective investment you could ever make in terms of firestop solutions. EZ-Path® is easy to install without the need for an expert. During maintenance work, cables can be added or removed as required without causing any damage or creating debris. There is no need to restore the original level of firestop

protection because it is never affected in the first place. From the moment the first maintenance work is carried out, the return on your investment is never in doubt.

STANDARDS AND CERTIFICATIONS

Tested by independent laboratories, the efficiency of EZ-Path® firestop modules satisfies the requirements of the numerous standards.

Standard Applications

Definition

A product's firestop level is determined by the lower of the values relating to:

- Integrity (E), expressed in minutes, is how long it can prevent a flame from spreading.
- Insulation (I), expressed in minutes, is how long it can limit the increase in temperature to 180°C.

Aim

To establish the level of firestop protection for EZ-Path® modules.

Procedure

- Build a test wall within an oven.
- Insert modules in accordance with the configurations required.
- Simulate a fire by increasing the temperature in line with a curve defined by the standard.
- Check the insulation (I) by measuring the temperature on the unexposed side.
- Visually inspect integrity (E).

Example: A product that is able to withstand a period of 2 hours will be classed as EI120.



Results of each standard

Zone	Standard	Class
Europe	EN1366-3	EI120
United Kingdom	BS 476: Part 20	EI60
Germany	DIN 4102-9	S90 or EI90
Russia	NPB 237-97	IET90 or EI90
America	ASTM E814 (UL1479)	F rating - 4h or E240

NB: Differences in class can be explained by the fact that different standards use different procedures.

Noise barrier and Leakage Rate

- **The STC rating** (Sound Transmission Class) defines the acoustic impermeability of firestop products based on the ASTM E90 standard. EZ-Path® modules have an STC of 45 dB.
- **The L Rating** defines the leakage rate of firestop products based on the ASTM E814 standard. EZ-Path® modules have a leakage rate of 0.5 m³/h.