PASSIVE FIRE PROTECTION

FTI-MARNEROS LTD

'the art of passive fire protection since 1989'

ABOUT

FTI - MARNEROS is the joining of the fire department of Chr. Marneros & Co Ltd and Fire and Thermal Installations Ltd who were both IFC Certified Passive Fire Protection Contractors, specializing in the design and installation of passive fire protection systems in both new and existing buildings.

The joining of both companies provides the most dedicated passive fire protection company in Europe combining over 50 years of experience experience and knowledge in the UK, Cyprus, Germany, Russia, Ukraine, Spain and Bulgaria. We are approved installers of all major fire protection manufacturers.

We have the knowledge and expertise to provide and install the most cost-efficient solution to any passive fire protection needs.

And most importantly for the client, we can issue fire certificates on completion.

Our commitment to Integrity, Quality and Safety has earned us the reputation among Architects, Engineers, Owners, Inspectors and Contractors as being the ONLY viable option to providing competent, expert supply, installations and certification of all passive fire protection solutions.

WHAT IS PASSIVE FIRE PROTECTION?

THE FUNDAMENTAL PURPOSE OF FIRE PROTECTION SYSTEMS IS TO PREVENT THE PASSAGE AND SPREAD OF SMOKE AND FIRE, FROM ONE COMPARTMENT TO ANOTHER, TO ALLOW FOR THE SAFE ESCAPE OF THE BUILDING OCCUPANTS. SECONDLY TO PREVENT OR REDUCE THE AMOUNT OF DAMAGE TO THE BUILDING STRUCTURE, NEIGHBOURING STRUCTURES AND REDUCE THE RISK OF COLLAPSE FOR THE EMERGENCY SERVICES.

A NUMBER OF THE FUNDAMENTAL REQUIREMENTS OF FIRE PROTECTION ARE SPECIFIED IN THE BUILDING REGULATIONS AND EUROPEAN DIRECTIVES ADVOCATING THE FOLLOWING:

- MEANS OF ESCAPE
- INTERNAL SURFACE SPREAD OF FLAME TO LININGS
- STRUCTURAL INTEGRITY OF THE BUILDING
- FIRE COMPARTMENTATION
- ACCESS AND FACILITIES FOR EMERGENCY SERVICES
- COMPETENT, EXPERT, 3RD PARTY CERTIFICATED PASSIVE FIRE PROTECTION CONTRACTORS TO ENSURE THE ABOVE IS CORRECT

OTHER MORE COMMERCIAL REASONS FOR THE USE OF FIRE PROTECTION SYSTEMS, IS TO REDUCE THE AMOUNT OF DAMAGE AND PREVENT COLLAPSE OF THE BUILDING. THIS INTERN CAN HELP TO:

- ELIMINATE THE BUILDING OWNERS LIABILITY AND RISK
- PREVENTION OF DEATH FROM FIRE AND SMOKE INHALATION
- REDUCE THE POSSIBLE RISK TO THE FIRE FIGHTERS
- REDUCE THE RISING COST OF INSURANCE POLICES
- PROTECT CAPITAL INVESTMENT

'FIRE PROTECTION SOLUTIONS FOR EVERY SITUATION'

WE ONLY SUPPLY AND INSTALL SYSTEMS THAT COMPLY WITH BS OR EN STANDARDS PROVIDING UP TO 4 HOURS FIRE PROTECTION

Sizewell B Nuclear Power Station to Vasilikos Desalination Plant, Millenium Dome (O2 Arena) to THOK Theatre Nicosia, Heathrow Airport to Larnaca Airport, King's Cross Underground Station to Kings Avenue Mall Paphos, MTV Studios London to KPMG Limassol, Canadian High Commission London to WARGAMING Nicosia, The rebuilding of Berlin after the wall came down to the rebuilding of Vasilikos Power Station in 2012.

What do all of these projects have in common?

FTI – MARNEROS

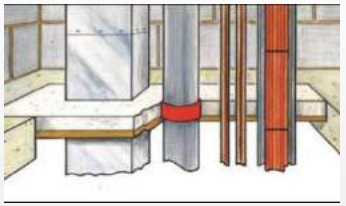
Serving the Passive Fire Protection Industry for over 25 Years

'fire stopping solutions for every situation'

Supplied & Installed Systems Up to 4 hours with BS or EN Certification

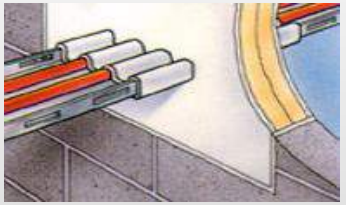
Fire Compound

Forms a load bearing high thermal insulating fire seal to prevent the spread of fire and smoke through openings in fire rated walls and floors. When installed around fire damper units, the excellent strength and shear resistance of fire compound ensures that the installation frame will be retained in the wall or floor, if the ductwork should collapse, even if the damper frame is not fixed to the structure.



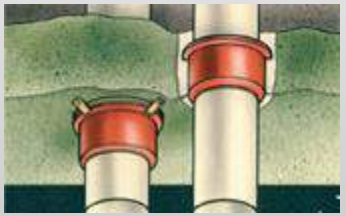
Fire Batt Barrier

Are designed to prevent the spread of fire and smoke through openings in fire rated walls and floors where openings are formed to allow the installation of multiple building services, fire batts will also maintain the acoustic performance of the wall or floor. Fire batts consist of a dense wool core between 140kg/m3 to 160kg/m3 and are coated with an ablative coating which reduces the permeability of the stone wool preventing the passage of hot gases.



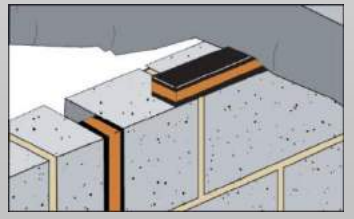
Fire Collars & Pipe Wraps

Designed to protect plastic pipes that pass through fire rated walls and floors. Pipe collars are fixed to the substrate after the walls or floors have been completed. Pipe wraps are placed around the plastic pipes before the walls or floors are completed. Both systems provide a quick and easy solution to prevent the passage of fire and smoke which is often overlooked.



Fire Rated Movement Joint Seals

Movement or expansion joint strips are highly compressible, flexible, fire resistant seals which are used where movement joints are formed in the structure of a building. The fire performance of movement and expansion joint strips will vary depending on the particular application and orientation. The simple compression fit with no mechanical fixing gives the optimum speed of application.



'fire stopping solutions for every situation'

Intumescent Mastic

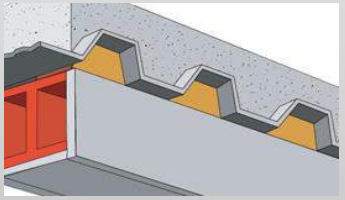
We use both acrylic and silicone intumescent mastic depending on the type of fire protection required and the location within the building. It can be used in door frames, movement and construction joints, sealing and bonding of Fire Batts, top of walls and many other scenarios. Most acrylic intumescent mastics are over paintable and fungus resistant.

Slab Edge Fire Stopping

Provides solutions for fire, smoke and sound barrier requirements in all cladding panels and curtain wall applications. The primary function is to maintain continuity of fire resistance by sealing the gap between fire compartment floors and walls both horizontally and vertically.

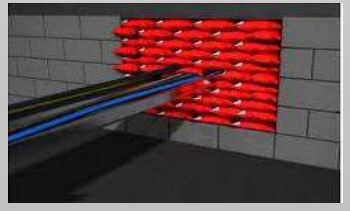
Trapezoidal Deck Infills

It is necessary to fire stop the trapezoidal deck infills above fire walls where the fire compartmentation can be breached. It is also used to increase the fire protection of a 3 sided fire protected beam.



Intumescent Fire Pillows

We install intumescent fire pillows to provide mainly temporary and in some cases permanent fire protection from the spread of flame. The intumescent fire pillows maintain the fire resistance of floors and walls where openings for services are located. They are most suitable for installing around cables which need to be regularly moved or changed.



Structural Fire Protection of Steel, Internal Walls and Ceilings

Intumescent paints to Structural Steel

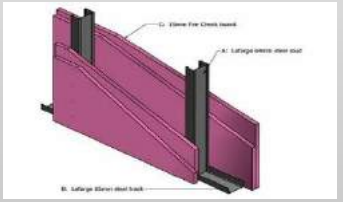
Provides fast on-site and off-site fire protection for structural steel up to 2 hour fire rating. The initial primer coat is applied by the steel fabricator after blast cleaning the steel. In C1 environments, top coat is not required unless a decorative colour for visible steels is preferred by the project architect.

Fire rated board Systems for Structural Steel

The boards come in various materials such as Rockwool, Gypsum and Calcium Silicate and provide up to 4 hour fire protection. Calcium Silicate type fire boards provide a solution for Hydrocarbon oil fires such as fuel terminals and tunnel linings.

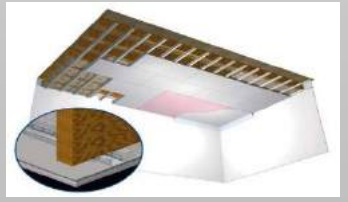
Fire Walls

From light weight gypsum walls to high performance reinforced cement bonded to steel sheets on both outer surface cover the full range of solutions for every project. These systems maintain the fire compartmentation and provide up to 4 hours fire resistance.



Fire Ceilings

We install various types of fire ceilings from fixed gypsum or calcium silicate boards to fire rated removable ceiling tiles, all systems provide up to 2 hours of fire protection and excellent insulation and acoustic upgrades.



General Fire Protection of Smoke Extract Ducts, Doors & Curtains

Smoke Extract Ducts Fire Protection

The on site installation of specialist intumescent paint to provide up to 2 hours of fire protection is a fast and cost effective solution for pre installed galvanised ducts. We also supply and install self supporting fire rated ducts made from Calcium Silicate or Durasteel boards with no need for galvanised ductwork.

Automatic and Fixed Fire Curtains

Automatic fire curtains are fire-resistant roller barriers that remain invisibly retracted until activated by an alarm signal, at which time they descend safely to their operational position. Fixed fire curtains are installed in ceiling voids or roof spaces.

Wood & Steel Fire Doors

Buildings are compartmentalised to delay the spread of fire and smoke from one area to another. These compartments are usually linked by fire doors to allow the flow of traffic around the building. Fire Doors have two important functions, when closed they form a barrier to stop the spread of fire and smoke, when opened they provide a means of escape.

Fire & Smoke Air Transfer Grilles

Allow air to pass freely between fire doors and walls. The slats and framing swell to many times their thickness in the event of a fire, fusing together to form a non-combustible mass which prevents the passage of hot smoke and gasses.

INDUSTRY CERTIFICATION QUALITY ASSURANCE

IFC Certification Ltd (International Fire Consultants) is a UKAS accredited and internationally recognised provider of high quality and customer focused third party certification

We are members of the Association of Specialist Fire Protection (ASFP)

Also, our in-house Fire Protection Assessors with over 25 years of experience trains all operatives to the standard of Passive Fire Protection Installations NVQ/City&Guilds Level 2

SELECTIVE BRANDS

For over 30 years, Coopers innovation and commitment to developing industry leading fire and smoke curtain has led them to become the designers preferred fire and smoke curtain manufacturer and installer. Furthermore, they also have third party certification which no one else has and are true gravity fail safe. http://www.cooperfire.com

Nullifire is the leading developer of intumescent fire protective coatings in the UK and Europe and has pioneered the use of this technology for over 30 years to offer trusted, life-saving solutions to protect steel structures and timber surfaces; service penetrations; and construction movement joints. http://www.nullifire.com

As a market-driven solution provider, Promat UK is the acknowledged leader in the business of passive fire protection and high performance insulation. Promat UK is a subsidiary of Promat International, part of Etex, a Belgian industrial group manufacturing and marketing high quality building materials and insulation systems. http://www.promat.co.uk

Endoors srl. was established in 2005 to operate in the production of fire rated metallic and multipurpose doors and the trade of related products. Having established a national presence, the company has steadily expanded into foreign markets. http://www.endoors.it

FSi are a Manufacturer and Developer of a full range of Built-In Fire Protection Systems. The keyword here is systems and not products; it is paramount that systems are installed as it is the only way that fire performance can be properly upheld. All solutions are made under strict ISO9001 factory guidelines and with the utmost efficiency. http://www.fsiltd.com

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by

FTI-MARNEROS LTD

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