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**Ark**

FIRE PROTECTION

**Your passive fire specialists**

## WE ARE ARK FIRE PROTECTION

At Ark Fire Protection, we are committed to delivering the best fire protection services tailored for residential, commercial, and industrial sectors. With over a century of combined experience in the fire protection industry, we have established ourselves as one of the leading passive fire installers in the UK, earning a reputation for excellence and reliability.

We recognise the critical importance of creating and maintaining safe environments, we strive to exceed expectations by offering reliable and effective fire protection solutions. Our team specialises in a variety of services, including fire door installations, comprehensive maintenance and inspections, fire stopping, thorough site surveys, and the application of intumescent paint. Our diverse experience allows us to address the unique fire protection needs of each project we undertake.

We take pride in our Firas third-party accreditation, which serves as a testament to our dedication to meeting industry standards and regulations in our work.

This provides you with confidence that we are independently verified, regularly audited/certified, and competent to undertake the necessary work and our installers are working to technical schedules and best practices.



At Ark Fire Protection, our mission goes beyond simply meeting customer expectations; we strive to exceed them at every opportunity. We are deeply committed to contributing positively to the communities we serve while also focusing on minimising our environmental footprint. Holding ourselves accountable for delivering outstanding fire protection services is not just a goal; it is a core part of our business.

Our values inspire us to consistently achieve excellence in every area of the fire protection services we provide. Safety is not just a priority for us; it is a fundamental value that dictates every decision we make and every action we take.

Our team is dedicated to maintaining the highest standards of professionalism across all aspects of our work. We approach each project with a strong sense of integrity, ensuring that our actions align seamlessly with our commitments. This alignment builds trust, enabling our clients to rely on us as their fire protection partner.

We have created a culture within our business that encourages our team to constantly deliver for each other and for you. This commitment ensures that we remain at the forefront of the industry, providing services that are not only efficient and effective but also tailored to meet the unique needs of each client. Together we are helping you protect what matters most.





## FULL UK COVERAGE

We operate throughout the UK, providing expert assistance to commercial properties, new builds, and both the public and private sectors. Our office and site staff work seamlessly together, ensuring that our response times are prompt and efficient.

Our team is available to offer guidance and support at every stage of the process, from the initial assessment to installation and ongoing maintenance. We are committed to using only the highest quality materials and the latest technologies, ensuring that our customers are fully protected against the spread of fire.

When you choose Ark Fire Protection for comprehensive passive fire protection services, you can trust us to deliver exceptional results that prioritize safety and peace of mind.

## WHAT IS PASSIVE FIRE PROTECTION?

Passive fire protection (PFP) is fundamentally a system designed to stop the spread of fire and smoke by using the correct materials and installation, covering a range of solutions aimed at preventing the spread of fire and smoke through thoughtful building design and safety measures.

By containing a fire effectively, passive fire protection allows occupants to evacuate safely and provides additional time for firefighting efforts to take place.

Firestopping specifically refers to the sealing of openings to impede the passage of fire and smoke between different compartments of a building. This is achieved by creating fire-resistant barriers that segment the structure both vertically and horizontally. According to CTIF.org, modern fires can spread at a rate five to ten times faster than those in older buildings, making effective firestopping even more crucial.



## WHY CHOOSE US?

Fire Protection is our top priority. A fire can quickly spread through any property, causing extensive damage and putting lives at risk which is why it's so important to have a well-designed and installed fire protection system in place.

Fortunately, we can help. We can assess your property and recommend the best way to protect it from fire via the installation of various passive fire protection measures. With our help, you can be confident that your property is as safe as possible.

Our team consists of highly skilled professionals who are equipped with the knowledge, expertise, and cutting-edge technology to handle projects of any scale with precision and efficiency. We are committed to delivering exceptional quality in every project we undertake. Our Firas third-party accreditation serves as a testament to our dedication.

We take pride in building long-lasting relationships with our clients. Your safety and satisfaction are our top priorities as the safety of you and your loved ones is what matters most.



## INDUSTRY SECTORS

We offer a wide range of fire protection services tailored to meet the unique needs of both residential and commercial properties.

### Private

Your safety is our top priority. Whether you own a small private home or manage a larger residential property, having integrated fire protection is essential for ensuring the safety and compliance of your living space.

We understand that our work in residential settings plays a crucial role in protecting the lives of you and your loved ones. Our commitment extends to safeguarding homes, ensuring that families can feel secure in their own environments.

### Assisted living

The safeguarding and well-being of residents in assisted living facilities is highly sensitive and plays a huge role in the on going living conditions of residents. We understand these unique challenges and can facilitate general assisted living or full care support to suit all requirements and make every installation as comfortable as possible.

From conducting thorough surveys to executing installation projects, our experience within assisted living communities plays a vital role in protecting the lives of residents and staff. We are dedicated to providing peace of mind for both residents and their families and know how to correctly navigate each project effectively.



## **Commercial**

We understand that as an employer, you carry the important responsibility of ensuring your premises are equipped with compliant passive fire protection.

We are here to support you every step of the way. Our experienced team offers a wide range of passive fire protection services, utilising the best products tailored to meet the unique needs of various commercial buildings across the UK.

Together, we can ensure that your environment is safeguarded with the highest standards of fire safety, allowing you to focus on the success of your company.

## **New Builds**

We recognise the immense responsibility that comes with constructing new residential buildings, particularly the critical need for effective fire protection systems that comply with building regulations as well as British and European standards. We are here to support your commitment in that safety mission.

We ensure to not only be compliant but also provide peace of mind of those who will call these buildings home. Trust us as your dedicated partner so you can focus on fulfilling your vision of safe and welcoming spaces.

## **Public Sector**

We are dedicated to supporting the healthcare sector by prioritising the safety and well-being of patients, staff, and visitors. Our services are specifically designed to create secure environments within these facilities.

With a proven track record in delivering quality fire protection solutions, we truly understand the unique challenges that public sector and healthcare facilities face.

That's why we offer tailored solutions that ensure compliance with all regulations and standards, prioritising the safety of everyone involved.

We understand the importance of working swiftly, quietly, and effectively, minimising disruptions to your operations. Our goal is to enhance safety while allowing essential services to continue smoothly and continue to deliver care and support that others rely on.



## **Housing Associations**

At the heart of our mission is a deep commitment to the well-being of residents and staff in housing associations.

We understand that their safety and comfort are the most important when we provide any of our services, whether in social housing, community developments, or larger residential neighborhoods.

We understand that these measures are essential for compliance but what is more important is creating a secure environment where everyone feels safe at home.

## **Retail and entertainment**

We recognise retail and entertainment spaces not only serve as places for shopping and enjoyment but they are also a vital part of communities where people come together.

From detailed assessments to installation services, we understand that our work is vital in safeguarding the well-being of everyone on site—those who come to relax, unwind, and enjoy their time as well as the staff working there.

By reducing the risk of fire and smoke spread, we strive to create secure and enjoyable settings providing everyone with peace of mind.

## **Education**

Overseeing a small primary school, a university, or a large network of comprehensive schools is a huge responsibility and having effective fire protection in place is vital for the safety and regulatory compliance of your buildings. We understand the importance and strive to take this on with you.

Dedicated to the well-being of students and education professionals, our team is experienced at working in diverse settings and sensitive areas.

We focus on safeguarding staff, students, and property while performing essential safety-related tasks allowing you to focus on what matters most - educating and empowering the future generations.

## FIRE DOOR INSTALLATION

At Ark Fire Protection, we understand that fire doors play a vital role in protecting your property from the spread of fire and smoke.

That's why we offer expert fire door installation and maintenance services to ensure that your doors are always in compliance.

Our team of certified professionals are retrained regularly and constantly updated on new regulations.

They can install new fire doors or retrofit existing doors to meet the latest standards.

We also offer regular maintenance services to keep your doors in good working order and fully compliant. In the event of a fire, you can count on Ark Fire Protection to provide the expert services you need to protect your property.

All new door installations are covered by Firas, a third party accreditation.



## FIRE PARTITIONS

Fire partitioning is the process when constructing a building to ensure fire safety by preventing fire spread. They are internal walls, and ceilings which ensure that a fire, for a limited time, will only be contained in that room or area of the building.

This ensures that people within the building have enough time to find escape routes, as well as potentially causing minimal damage to the establishment as only a certain area is affected.

Any and every fire starts small and grows. If combustible materials and oxygen are available with no physical barriers, it will attack the structure of the initial room it was caused in and spread.

A fire-rated partition prevents this by creating a containment which ensures the fire cannot spread for a certain period of time. Partition times can range from 30 to 240+ minutes, ensuring the safety of the people in the building.

A fire-rated partition has been regulated and checked by the appropriate European standards. Here at Ark Fire Protection we are highly skilled and experienced in installing fire partitions within buildings.



## EXTERNAL FIRE BARRIERS

Ark Fire Protection is a leading provider of fire barrier installation and maintenance services.

We have extensive experience in the industry, and our team of certified experts are always ready to provide the highest level of service.

We're committed to helping our clients keep their premises safe from the spread of fire, and we offer a wide range of services to meet their needs.

Our fire barrier installation services are designed to protect your property from the spread of fire, and our maintenance services help to ensure that your barriers are always in compliance with local codes.

When it comes to fire safety, you can trust Ark Fire Protection to keep your property safe.



## INTUMESCENT COATINGS

Ark Fire Protection is a leading contractor in the application of intumescent paint.

We have many years of experience in the fire protection industry and have projects underway across the UK. We offer a comprehensive service which includes an initial survey, specification and design advice, supply and installation of products, and on-going maintenance.

Our team of fully qualified and experienced staff are dedicated to providing a high quality service that meets the needs of our clients.

Our aim is to provide a comprehensive fire protection solution that meets the needs of our clients. In order to do this, we work closely with our clients to ensure that their specific requirements are met.

We also offer a free, no-obligation quotation service so that you can be sure you are getting the best possible price for your fire protection needs.

Contact a member of our team today to find out more about our services and how we can help you.



## FIRE CURTAINS

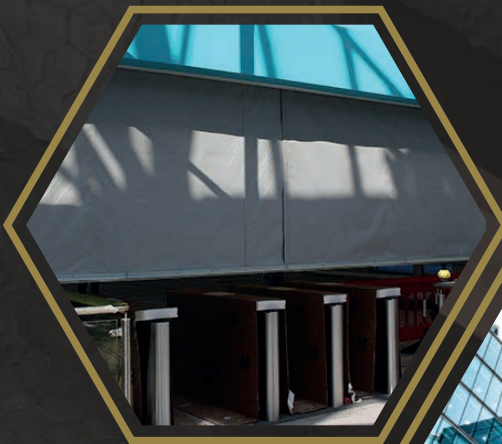
Ark Fire Protection is a leading provider of fire curtain installation and maintenance services – we're committed to providing our customers with the highest quality products and services possible.

Our team of highly trained and experienced technicians are able to install and maintain all types of fire curtains, and we're also able to provide advice and guidance on the best way to keep your fire curtains in good working order.

We offer a comprehensive maintenance service that includes regular inspections and tests to ensure that your fire curtains are always operating at their best.

Whether you need new fire curtains installed or you need your existing ones repaired or replaced, Ark Fire Protection is here to help.

Contact us today to find out more about our products and services.



## FIRE STOPPING

Fire stopping can be defined as the sealing of any opening to prevent fire, smoke and heat from passing through building compartments.

The spread of fire, smoke and heat can be contained by creating fire resistant compartments which segment a building both vertically and horizontally. It is essential that buildings implement fire stopping to restrict fire spread.

Fire stopping products are used to close up the gaps or improve the “weak spots” where heat, gas and open flames can pass through to other aspects of the building. They’re designed to prevent the spread of hot gases, toxic smoke, and open fires around the building, and other buildings close by.

Ark Fire Protection fire stopping products are tested, and durable to the absolute highest fire safety standards, simple and easy to install and developed for definitive applications.



# CASE STUDY DERBY HOUSING DEVELOPMENT

## Scope of Works

The primary challenge was to effectively seal a variety of penetrations through fire-rated walls and floors, ensuring no compromise on the building's fire integrity. This included cable and pipework penetrations that required precise sealing to prevent the spread of fire and smoke – protecting the building's occupants. The objective was to achieve this while adhering strictly to the fire safety standards and manufacturer's specifications.

## Penetration Seals

Ark Fire Protection strategically installed Quelstop Ablative Batt for sealing cable and pipework penetrations through both 30 and 60-minute fire-rated walls. This installation included a combination of friction fit and pattress system applications. Each installation was aligned with the technical data sheets and specific details provided by the manufacturer to ensure maximum effectiveness and compliance.

## Putty Pads Installation

To protect the integrity of electrical outlets within the residential apartments, Ark implemented Putty Pads at both single and double sockets. This measure is crucial in preventing the spread of fire through electrical installations, a common vulnerability in residential structures.





## SVPS – Soil and Waste Pipe Solutions

Ark utilised Quelfire QWR collars on waste pipes and soil stacks throughout the building. This installation is essential for maintaining the fire integrity of floors by shielding the combustible plastic pipework against fire for up to 60 minutes. The installation specifics were followed as per the manufacturer's detail to ensure the safety measures were accurately implemented.

## Intumescent Sealant Application

The use of Quelfire Intumescent Sealant was a significant part of the project, aimed at sealing cable penetrations throughout the building. The sealant application involved a friction fit into plasterboard, carefully measured to maintain the correct annulus and depth as prescribed. This not only secured the penetrations but also ensured that they could expand under heat conditions to maintain an effective barrier against fire and smoke.

## Results and Impact

The passive fire protection installations carried out by our team have significantly enhanced the fire safety of the residential apartment complex, directly contributing to a safer living environment for residents. The precision in adherence to installation standards and regulations ensures long-term durability and effectiveness of the fire protection measures. Ark Fire Protection's commitment to excellence and compliance with stringent fire safety norms has been demonstrated through the successful implementation of various passive fire protection systems in the residential apartment complex. This project underscores the importance of expertly engineered fire protection solutions in safeguarding lives and properties.



# ONE TRACE QUALITY SYSTEM SUPPORTED

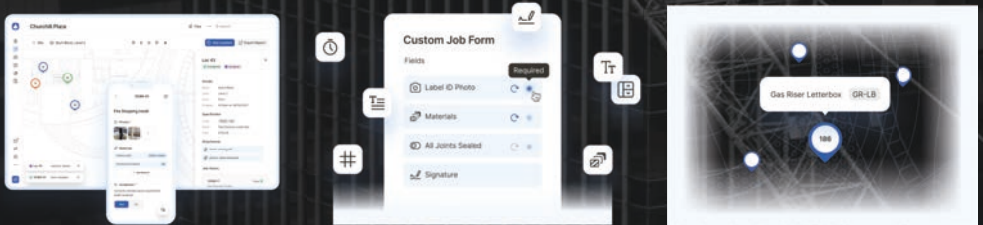
Ark Fire Protection utilises OneTrace, a comprehensive cloud-based application designed for seamless integration in tracking all work conducted for building owners.

This advanced system not only facilitates the management of projects but also enhances communication and efficiency throughout the process.

With OneTrace, we gain a detailed site overview that offers real-time visibility into the status of approvals across the entire site. This feature allows us to easily monitor which tasks have been approved, rejected, are under review, or still require completion. Such transparency ensures that everyone involved is informed and that any potential delays can be addressed proactively.

OneTrace provides dedicated client access, enabling us to track the progress of projects effortlessly. We can review ongoing work, as well as approve or reject installations performed by our operatives. This functionality streamlines the internal quality assurance process, making it quick and straightforward for clients to provide feedback and ensure that all work meets their expectations.

By leveraging OneTrace, Ark Fire Protection not only improves operational efficiency but also fosters stronger relationships with our clients through enhanced collaboration and transparency.



When it comes to Passive Fire Protection, you need a company that you can rely on. Ark Fire Protection is proud to be accredited by the leading industry bodies ensuring that we always meet the highest standards of quality and safety, our customers can always expect a first class service.

We are also ISO 9001 certified, meaning that our quality management systems are regularly audited and approved. So when you choose Ark Fire Protection, you can be confident that you are making the best possible decision for your property.



**Constructionline**  
Gold Member



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## GET IN TOUCH



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