



**PROTECTING OUR
FUTURES**



AVESTAGROUP.CO.UK

**Passive Fire Protection
Compartmentation Surveys
Fire Risk Assessments
Fire Door Inspections
Air Sealing
Acoustic Installations
Thermal Insulation**



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Established in October 2010, Avesta provides a wide range of services, primarily in the field of passive fire protection, to both private and commercial clients thus providing a single point of responsibility across a number of specialist trades.

PASSIVE FIRE PROTECTION

Passive measures provide protection by their very existence and are largely unseen, however they are vital to the stability and integrity of a building or structure when attacked by fire. They serve the purpose to separate the building into areas of manageable risk, to restrict the growth and spread of fire and, protecting structural elements from the risk of early collapse. This allows time for the occupants to escape and provides a degree of protection for fire fighting.

As a multi-disciplined contractor, Avesta are able to carry out works including intumescent painting, boarding works, fire barrier installations and penetration sealing etc in both new and existing buildings. Surveys can also be carried out within existing buildings to ensure life-saving compartmentation is maintained.

FIRE COMPARTMENTATION SURVEYS

In the event of a fire, certain crucial measures provide protection by subdividing a building into areas of manageable risk to restrict the growth and spread of fire, while also protecting structural elements to prevent their early collapse. This allows time for the occupants to escape and provides a degree of protection for firefighting.

Avesta reviews these passive fire protection/firestop measures and report back in a clear and concise manner which can assist anyone with responsibilities for fire safety. Avesta Compartmentation Surveys are carried out using a proprietary software system that would allow us to upload the building layout, ideally the fire strategy drawings, and then plot the items that were surveyed on this drawing. This allows a clear indicator of the work surveyed and the detailed findings together with photographs taken at each location. Walls, doors, and ceilings can be inspected with feedback on each element and with a date stamp shown, any subsequent damage can be identified from one inspection to the next. Reports can be issued as a PDF or a CSV/Excel file, which can be used by building maintenance /facilities management to guide reactive maintenance works.



FIRE RISK ASSESSMENT

Avesta will provide expertise and guidance to duty holders and those responsible for ensuring fire safety within their premises. We do this by undertaking a process of fire risk assessment through which we shall evaluate the risk from fire within your premises, advise you on how to prevent fires from occurring and safeguarding people by providing a plan to ensure that anyone working, visiting, or using your premises is protected should a fire occur.

We have a broad fire risk assessment experience and can accommodate duty holders with responsibility for all workplaces including those providing residential and health care, education, commercial, industrial, and social housing including houses in multiple occupation.



FIRE DOOR INSPECTIONS

The Fire (Scotland) Act 2005 and Regulatory Reform (Fire Safety) Order 2006 (and associated legislation for Northern Ireland) require that the person(s) who have control of the premises take appropriate fire safety measures and general precautions to ensure compliance with the relevant legislation. This includes the inspection of fire doors within the premises.

Fire doors are an important part of the building's passive fire protection system, they restrict the passage of smoke and flame through means of escape and into separate protected compartments. As a rule of best practice, it is recommended that fire doors are inspected once every 6 months to ensure they are fit for purpose, and it is recorded where doors have a need for repair and maintenance.

The Fire (Safety) England Regulations 2022 under Regulation 10 requires that domestic buildings, where the top storey of the building is above 11m, should have their flat entrance fire doors and communal fire doors inspected at minimum every 12 months and 3 months respectively.

At Avesta, our experienced team can conduct fire door inspections with a high level of competence, ensuring that clients receive a balanced and informative inspection in line with FDIS Certification.

AIR SEALING/AIR TIGHTNESS TESTING

As part of the sustainable requirements for new buildings, air sealing or air tightness testing not only aids the energy efficiency of a building but also assists in the operation of the building's heating and ventilation systems.

Our relationship with Stuart King Architecture & Design Ltd can ensure that the building is tested to a recognised standard and offers access to expertise in reviewing building design to identify areas that require treatment. Avesta will be able to carry out the necessary preparatory work to ensure a successful air test.

Upon request, Avesta can be in attendance during these tests, to carry out any remedial works to areas found to have failed.



ACOUSTIC INSTALLATIONS

Building Regulations seek to ensure that buildings are designed and constructed in such a way as to limit the transmission of source noises to a level that will not cause inconvenience to the building occupants.

Working closely with specialist manufacturers, Avesta can provide a number of acoustic solutions and can arrange the requisite testing on the client's behalf.

THERMAL INSULATION

Insulation, in its various forms, can be installed to reduce energy loss and increase overall energy efficiency ensuring compliance with Building Regulations.

In conjunction with the UK's leading manufacturers, we can provide a wide range of sustainable insulation solutions.