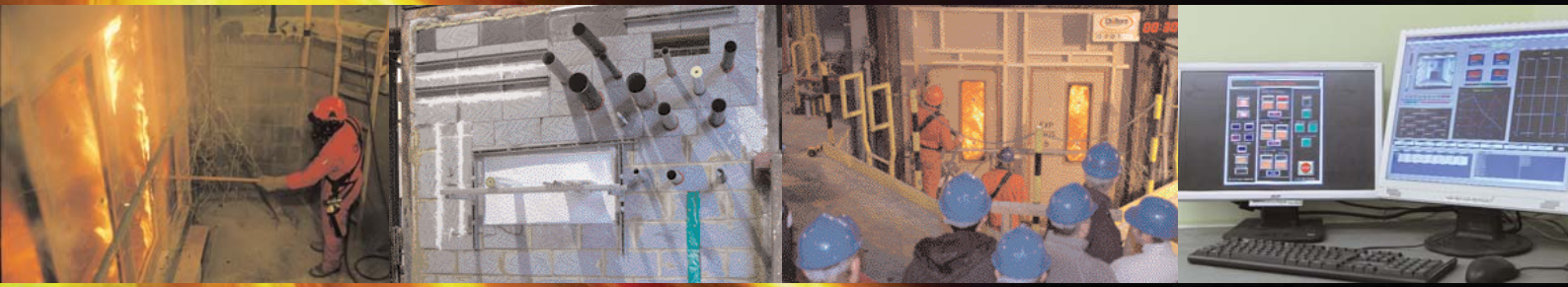


fire resistance testing



committed to excellence

www.chilternfire.co.uk

www.chilterndynamics.co.uk

www.qmark.info

Chiltern International Fire and Chiltern Dynamics, as part of the BM TRADA Group, have more than 70 years' experience in providing practical solutions in the field of testing and consultancy for the construction industry. We are renowned for our specialist expertise in fire resistance testing and for helping our clients make informed decisions about their products.

Chiltern International Fire offers independent, UKAS-accredited fire resistance testing services as required by national and international building regulations, CE marking and the requirements of third-party certification. We are a centre of excellence for manufacturers of passive fire protection products including doors, glazed screens, load-bearing walls, penetration and linear joint seals. Chiltern International Fire maintains an active membership of bodies including EGOLF (European Group of Organisations for Fire Testing, Inspection and Certification) and FTSG (Fire Test Study Group).

what is fire resistance testing?

In the built environment, there is often a legal requirement for products such as doors, screens, partitions and ceilings to resist the passage and spread of fire, protecting life. The location and period of fire resistance required for construction products is determined by legislation, codes of practice or the accepting authority.

The selection of the appropriate fire resistance test programme for passive fire protection products depends on the performance required and the end-use application.

Fire resistance is a key requirement for building regulations. In England and Wales, requirements with respect to fire resistance are outlined in Approved Document B Parts 1 & 2.



Chiltern International Fire's fire resistance testing services

We offer fire resistance testing for a wide variety of products used in construction. Whilst diverse in nature and scope, all of our fire resistance testing services have one goal. They are designed to help our clients achieve their objectives in the most efficient and economic way possible. We do this by following a clear and logical process as detailed below:

explore

First and foremost, we take the time to understand our clients' requirements. This is an essential stage where we actively encourage our clients to talk to us about their products and explain what they are hoping to achieve. We find many clients turn to us precisely because they appreciate having the opportunity to discuss their products with experts prior to their investment in product test programmes.

As part of this approach, we can also undertake a review of our clients' drawings. We do this prior to testing so that any obvious potential problem areas can be identified, and if necessary, resolved. Experience has taught us that last minute alterations or minor adjustments to products may be beneficial.

develop

Once we have thoroughly explored our clients' plans for their products, and in turn, have shared with them our knowledge of legislative and market requirements, we are then in a position to develop the most appropriate test programme. By this stage we will have made sure that we have gained sufficient information about our clients' objectives and that our clients have understood the scope of the test data generated.

By listening to and involving our clients at every stage, particularly during the test programme, we help our clients in a way that we feel is unique to Chiltern International Fire.

testing and support

During the testing stage, we continue to make every effort to ensure that the fire test programme goes as smoothly and seamlessly as possible. As part of this approach, we often provide our clients with the services of our on-site technical team to handle critical aspects of the testing process. Examples of this include:

- For door testing, our technical team provides a full support service to ensure the test specimen is assembled and installed correctly. We also have workshop facilities enabling further work to door sets as required, including a supply of hardware, intumescent seals and glazing systems.
- For penetration sealing systems, we recognise that it is often difficult to obtain all the cables, pipes and support systems that the standard specifies, so we source and supply these materials when required.



test standards

Chiltern International Fire is UKAS-accredited to test to:

Door sets (timber, composite and steel)	BS 476: Part 22 and BS EN 1634-1
Load bearing walls	BS 476: Part 21 and BS EN 1365-1
Penetration seals	BS EN 1366-3
Linear joint seals	BS EN 1366-4
Partitions and glazed screens	BS 476: Part 22 and BS EN 1364-1
Active fire barrier curtains	BS 476: Part 22 and BS EN 1634-1

We manage testing programmes on behalf of our clients in areas such as fire performance of structural glazing, fire protection of steelwork and performance testing of load bearing floors.

ad hoc/non-standard testing

We design fire test programmes for a range of bespoke projects in order to demonstrate whether products are fit for purpose.

the report

A comprehensive report is issued on completion of testing. Chiltern International Fire's reports are clear, concise and internationally recognised.

product assessments

As part of our client-focused approach, we always offer our clients the opportunity to maximise the scope of coverage generated by their test evidence. This is achieved through an independently produced product assessment. As test reports only relate to what has been tested and allow no significant variations, we ensure our clients understand the flexibility offered by product assessment reports. Product assessments extend the coverage of test data to allow design variations, reducing the need for extensive further testing.

The European test methods introduce the concept of extended application and classification. We can produce these reports and guide clients through the use of such documents.

fire resistance testing



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why choose Chiltern International Fire?

- Chiltern International Fire is one of the most experienced, independent fire resistance testing organisations in the UK. We provide testing of passive fire protection products for both commercial and domestic building types to meet British, European and other International standards.
- The real value we offer is not just in the physical testing of products, but in the support we offer our clients at every stage of the testing process.
- Our clients choose us because we take the time to explore their requirements. As part of this approach, we encourage our clients to talk to us about their products and explain what they are hoping to achieve.
- We develop test programmes only when we are sure that we have gained sufficient information about our clients' objectives. Furthermore, we ensure that our clients have understood and are completely satisfied with the scope of test data to be generated.
- Our 70 years' experience in providing practical solutions in the field of testing and consultancy gives us an unrivalled understanding of the responsibilities and pressures our clients face to complete their projects on time and within budget.
- We believe in taking responsibility for ensuring that the fire resistance testing process is as streamlined and efficient as possible.
- We have a responsive, flexible approach to clients' needs, problems and future development requirements. We offer a dedicated level of service that we believe is unmatched within the industry.

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