



# Fire Door Inspection, Maintenance and Servicing

BWF-Certifire Fire Door and Doorset Scheme

**John Fletcher – BWF-Certifire Scheme Marketing**

# Today's agenda



- The BWF-Certifire Fire Door and Doorset Scheme
- Fire safety – it's your responsibility
- Why Fire Doors work in a fire – How do I know they will?
- Regulations that you need to know about
- What to look for when checking Fire Doors
- What action to take if not fit for purpose
- Questions and answers



# We take fire doors for granted

We expect them to have been installed correctly. . . .

. . . with correct components because

if a fire breaks out . . . . .

. . . . they're expected to save lives

& protect property





Fire doors at sister block in Camberwell  
: Source : London Standard



July 3<sup>rd</sup> : Lakinal House  
Camberwell :  
Source London :Standard

# We just don't know . . .



- When a fire will break out
- A new building must comply with current building standards / regulations
- An existing building **MUST** continue to operate
  - Ventilation
  - Energy
  - Mobility requirements
  - Fire
- We need to check that all parts are functioning correctly





# Kick the Wedge Survey

*Fireco Ltd . Jan 2007*



- Survey 100 Accredited Fire Risk Assessors / Fire Safety Officers

<b>Issue</b>	<b>Result %</b>
Inspection where flammable / explosive materials are used / stored hazardously	80
Inspections where Fire Exits were obstructed	80
Inspections where Fire Doors were wedged open	65
Inspections where door closer mechanisms have been removed or disengaged	80
Inspections where Escape Routes are not adequately indicated	70

# The impact of the RRO



## **Regulatory Reform (Fire Safety) Order : 2005**

- Replaced 118 pieces of previous Fire safety legislation
  - Fire Precautions Act 1972 + Fire Precautions (Workplace) Act 1997
- Brought about focus on the need for increased fire safety and reduction of fire hazards.
- ‘Eliminate or reduce the risk from fire as far as is reasonably practical . . . and deal with any residual risk’.
  - Includes attention to escape routes
  - need for greater fire door inspection and maintenance
  - all buildings excluding domestic housing.



# The outcome for BWF



- BWF DVD 'Fire Doors- Your Responsibility' has increased the awareness of the dangers of badly fitted and maintained fire doors and the what rectification is likely.
- BWF has received considerable response from facilities managers, inspectors and building owners for gap testers along with additional copies of the DVD.
- BWF also been contacted by companies who annually inspect fire extinguishers & who have also been asked to undertake inspections of fire doors by their clients.



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# **THE BWF-CERTIFIRE FIRE DOOR SCHEME**

# What is the BWF-Certifire Fire Door and Doorset Scheme?



- What are fire doors and doorsets?
- What the BWF Scheme is about
- Why do they have to be certificated?



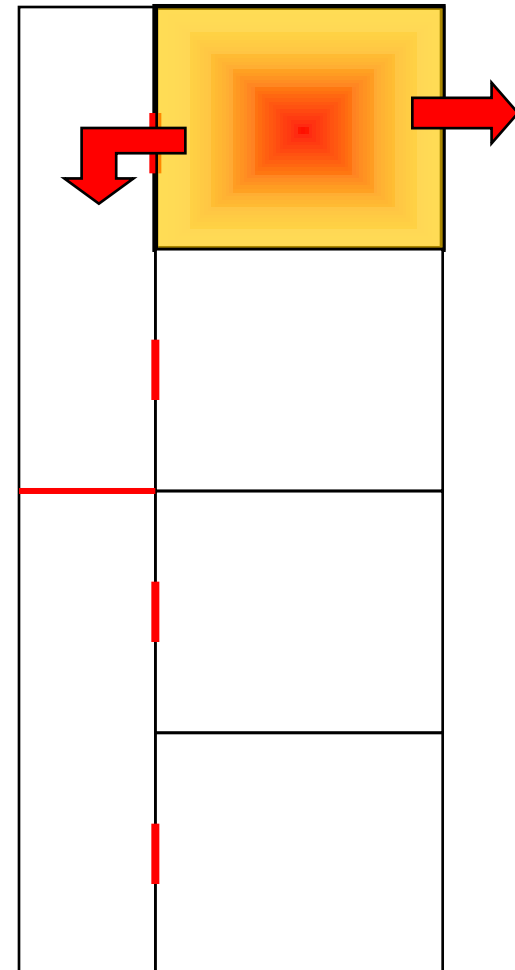
# Fire doors

- Are part of a passive fire system
- A requirement in compartmenting a building
- Must be tested to show the design will work in a fire.
- Can only work correctly when
  - Fitted with the correct compatible components
    - Door + frame / linings
    - Closers
    - Hinges and other ESSENTIAL ironmongery

# Compartmentation



- Means of Escape
- Internal Fire Spread (*doors*)
- Internal Fire Spread (*linings*)
- Internal fire spread (*structure*)
- External fire spread
- Access & facilities for the fire service



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# Doorsets

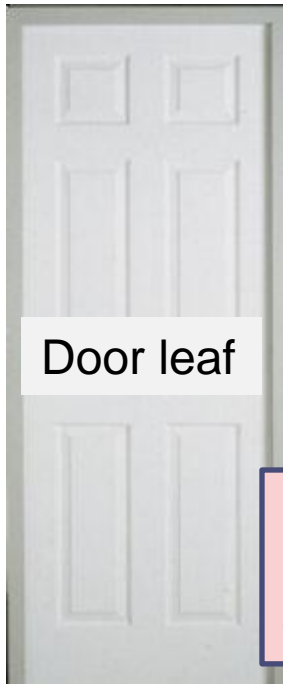
Doors supplied complete with frame / seals / glazed apertures and all ironmongery in one single unit

Fitted as a complete installation





# Door leaves



Door leaf

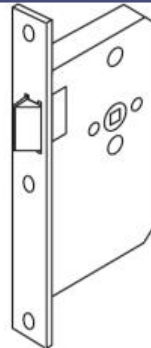
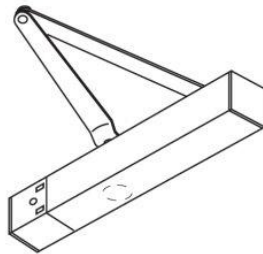


## Fire door assembly

Fire door leaf / approved frame / casing  
Compatible Approved Components



Door frame / casing / lining



CE marked Certifire Approved components – compatible with door test

# Door test



Test furnace

Door test sample

Tested as a complete assembly

# BWF-CERTIFIRE Fire Door & Doorset Scheme? What does it mean?



It is

- A product guarantee scheme - through certification and audit
- An alliance across the supply chain

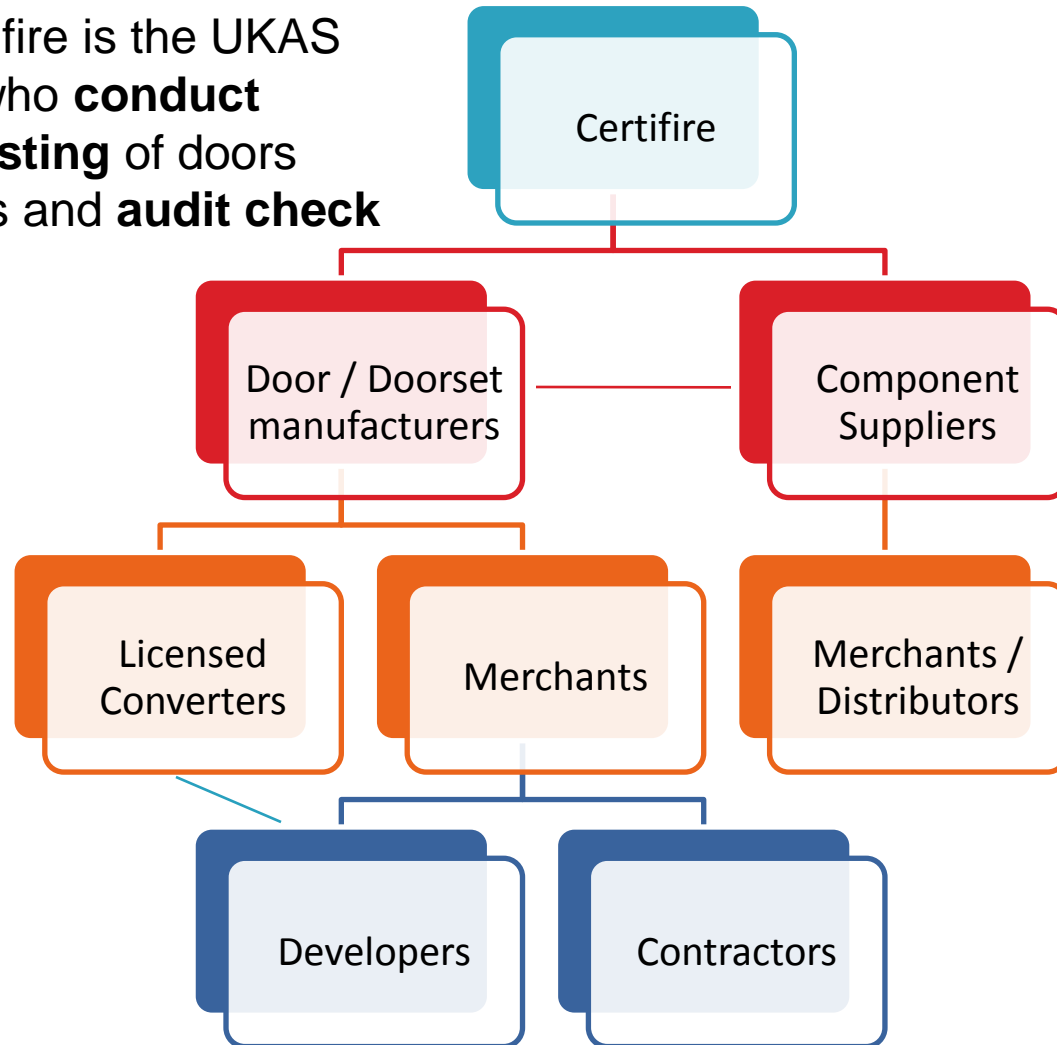
It means

- Clear, simple traceability of doors
- Vigorous promotional campaign to encourage best practice methods

# 3<sup>rd</sup> party Accreditation



Warrington Certifire is the UKAS test laboratory who **conduct independent testing** of doors and components and **audit check** members



Doors + components can be traced up or down the supply chain





# The importance of compatibility

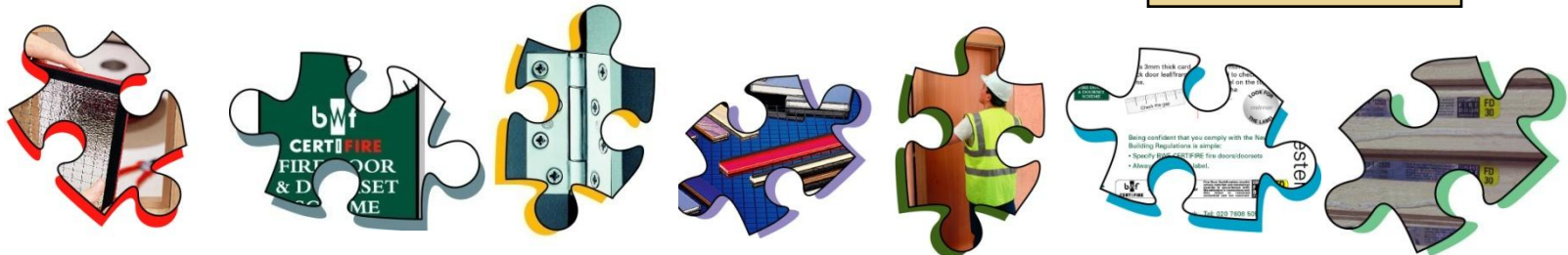
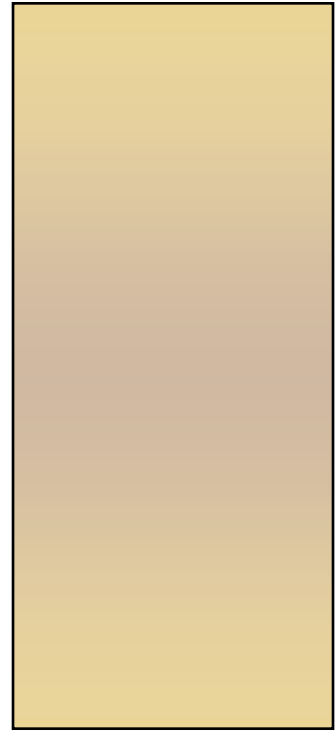
A successful fire door test proves that a particular door configuration will work . . . .

*. . . . but it doesn't prove that any variation can be relied upon in a fire.*

*We must ensure that the door and its frame / hinges / closers etc. are compatible*

# The importance of compatibility

Think of it like a jigsaw...  
all the pieces have to fit  
together with the  
door!



# The importance of compatibility

It's very important...

That ALL products

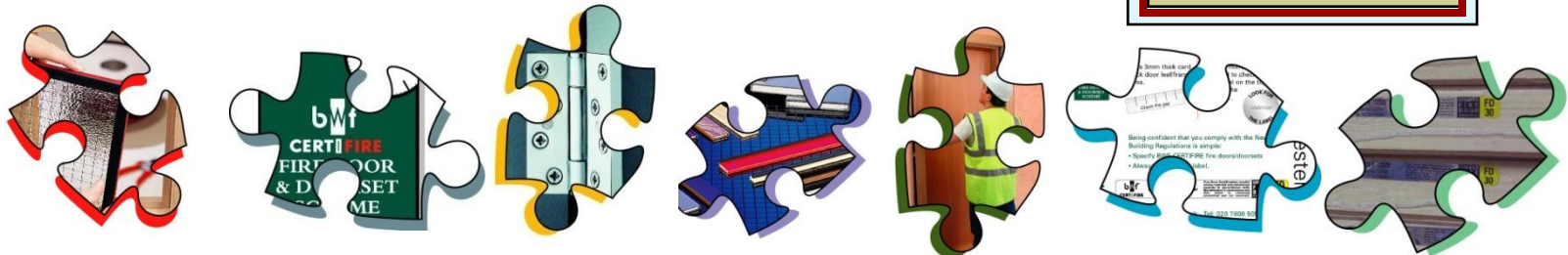
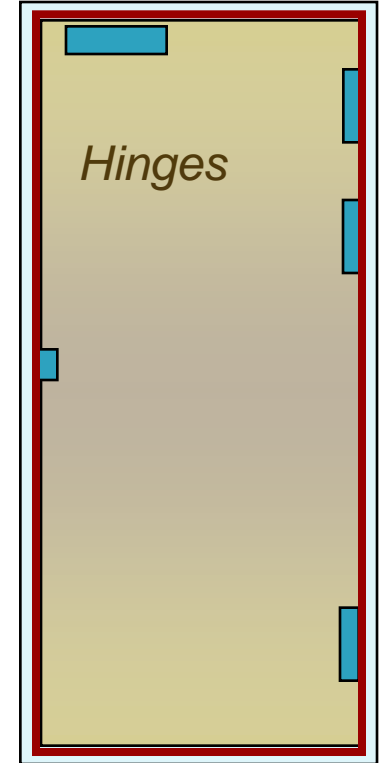
are compatible with the doors

Closers

Frames / linings

Latches

Intumescent strips







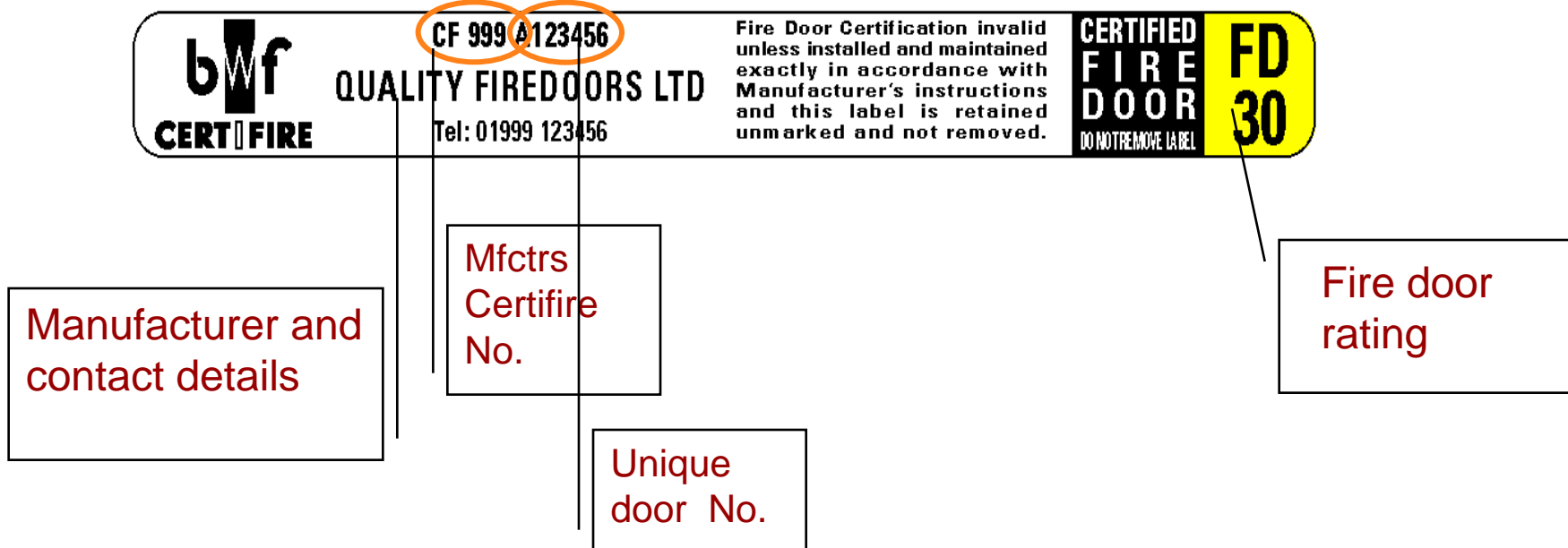
# Identifying fire doors

- **Plugs**
- **Weight**
- **Thickness**
- **Catalogue**
- **Invoice**
- **Label**
  - Traceable information
  - Manufacturer
  - Contact details
  - Type of fire door
  - Proof of testing
  - Suitability for application

# Traceable label system



Permanent, Tamper Evident, Full Traceability





<b>bwf</b> CERTIFIRE	CF 999 A456789 Fire Door Manufacturer Tel: 01999 123456	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained	<b>CERTIFIED FIRE DOOR</b> <b>FD 120</b>
<b>bwf</b> CERTIFIRE	CF 999 A456789 Fire Door Manufacturer Tel: 01999 123456	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained	<b>CERTIFIED FIRE DOOR</b> <b>FD 90</b>
<b>bwf</b> CERTIFIRE	CF 999 A456789 Fire Door Manufacturer Tel: 01999 123456	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained	<b>CERTIFIED FIRE DOOR</b> <b>FD 60s</b>
<b>bwf</b> CERTIFIRE	CF 999 A456789 Fire Door Manufacturer Tel: 01999 123456	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained	<b>CERTIFIED FIRE DOOR</b> <b>FD 60</b>
<b>bwf</b> CERTIFIRE	CF 999 A456789 Fire Door Manufacturer Tel: 01999 123456	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained	<b>CERTIFIED FIRE DOOR</b> <b>FD 30s</b>
<b>bwf</b> CERTIFIRE	CF 999 A456789 Fire Door Manufacturer Tel: 01999 123456	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained	<b>CERTIFIED FIRE DOOR</b> <b>FD 30</b>
<b>bwf</b> CERTIFIRE	CAF 000 A123456 Company Name Tel: 01999 987654	This Certified Glazed Aperture has been produced in accordance with the fire door leaf Manufacturer's instructions. It conforms to the fire door rating shown on their accompanying BWF-CERTIFIRE label.	<b>CERTIFIED GLAZED APERTURE</b>
<b>bwf</b> CERTIFIRE	CAF 000 B234567 Company Name Tel: 01999 987654	This Certified Glass Opening has been produced in accordance with the fire door leaf Manufacturer's instructions. It must also be glazed in accordance with those instructions in order to maintain its fire performance rating.	<b>CERTIFIED GLASS OPENING</b>
<b>bwf</b> CERTIFIRE	CAF 000 C345678 Company Name Tel: 01999 987654	This Certified Fire Door Frame must be used in conjunction with a BWF-CERTIFIRE fire door leaf and installed & maintained in accordance with the Manufacturer's instructions.	<b>CERTIFIED FIRE DOOR FRAME</b>
<b>bwf</b> CERTIFIRE	Company Name Tel: 01999 123456 <small>For use on BWF-CERTIFIRE approved fire door assemblies only</small>	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained unmarked and not removed.	<b>STANDARD FIRE DOOR CASING</b> <b>FD 30</b>
<b>bwf</b> CERTIFIRE	Company Name Tel: 01999 123456 <small>For use on BWF-CERTIFIRE approved fire door assemblies only</small>	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained unmarked and not removed.	<b>STANDARD FIRE DOOR FRAME</b> <b>FD 30</b>
<b>bwf</b> CERTIFIRE	Company Name Tel: 01999 123456 <small>For use on BWF-CERTIFIRE approved fire door assemblies only</small>	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained unmarked and not removed.	<b>STANDARD FIRE DOOR LINING</b> <b>FD 30</b>
<b>bwf</b> CERTIFIRE	Company Name Tel: 01999 123456 <small>For use on BWF-CERTIFIRE approved fire door assemblies only</small>	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained unmarked and not removed.	<b>CERTIFIED FIRE DOOR KIT</b>
<b>bwf</b> CERTIFIRE	Company Name Tel: 01999 123456 <small>For use on BWF-CERTIFIRE approved fire door assemblies only</small>	Fire Door Certification invalid unless installed and maintained exactly in accordance with Manufacturer's instructions and this label is retained unmarked and not removed.	<b>CERTIFIED FIRE DOORSET</b>

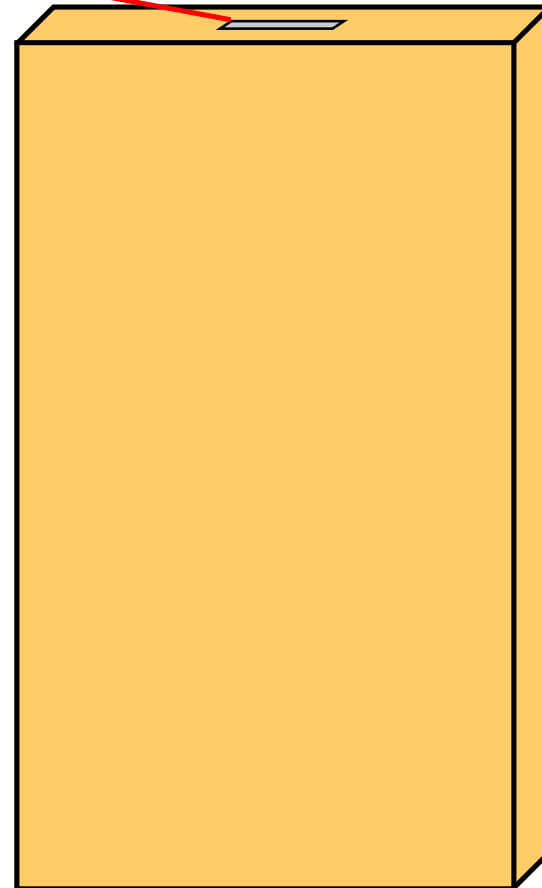
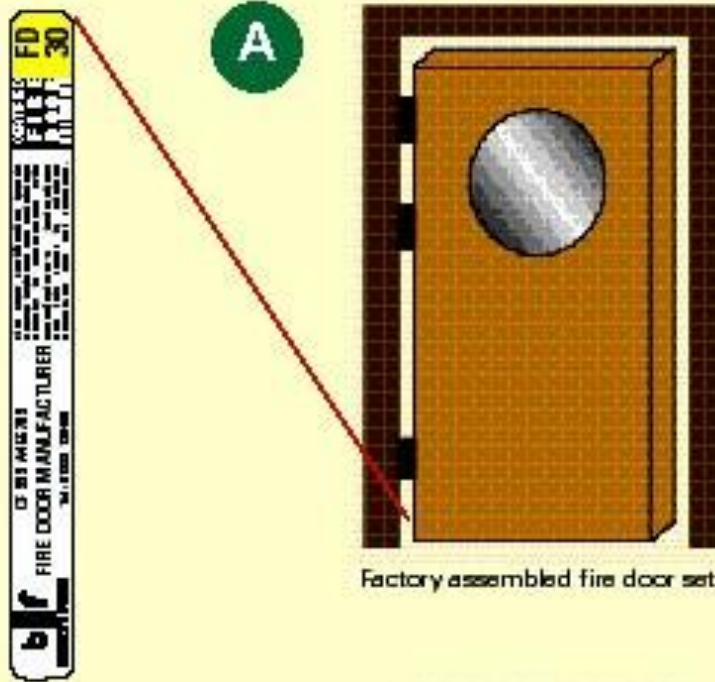
Apply to doorsets



Door Certification invalid unless installed and maintained in accordance with manufacturer's instructions and label is retained marked and not removed.



Always look for the BWF label...





ified Glazed Aperture has been  
d in accordance with the fire  
f Manufacturer's instructions. It  
s to the fire door rating shown  
accompanying BWF-CERTIFIRE

**CERTIFIED  
GLAZED  
APERTURE**

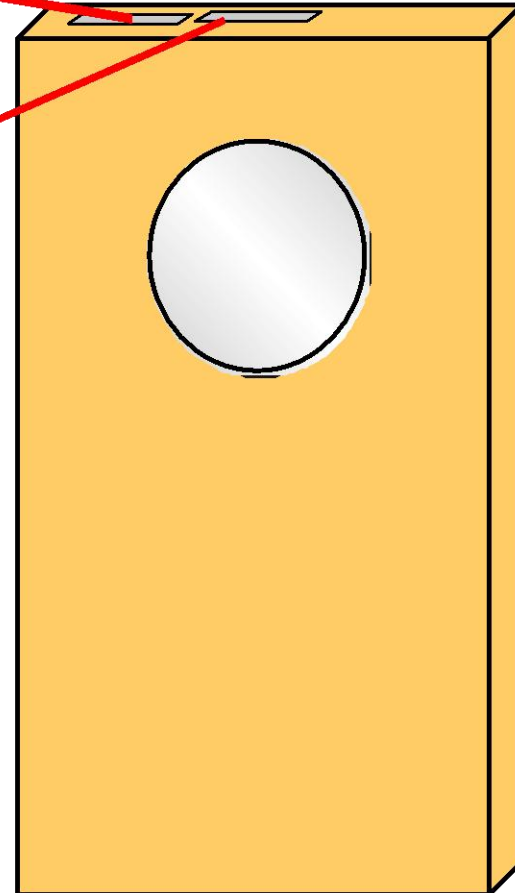
IX DO NOT REMOVE LABEL

e Door Certification invalid  
ess installed and maintained  
ctly in accordance with  
nufacturer's instructions and  
s label is retained  
marked and not removed.

**CERTIFIED  
FIRE  
DOOR**

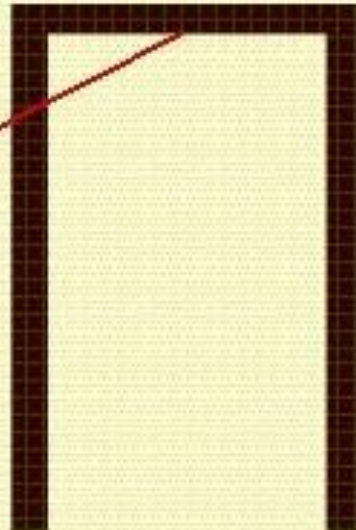
**FD  
30**

DO NOT REMOVE LABEL



Door Frame must  
comply with a  
FIRE test door leaf  
& maintained in  
to the Manufacturer.

**CERTIFIED  
FIRE DOOR  
FRAME**



Fire door frame sold / supplied  
separately

# Why doors have to be certificated



- **YOU** need proof of fitness for purpose
  - Compliance with building regs.
- A test certificate indicates that the door configuration will work in a fire
- What many fail to realise - that the **COMPLETE ASSEMBLY** must be installed as it was tested
  - Components as well as door



Certificates for companies in the scheme can be downloaded at <http://www.warringtonfire.net/certifire/Products.asp?c=2>



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# **WHY FIRE DOORS WORK IN A FIRE**



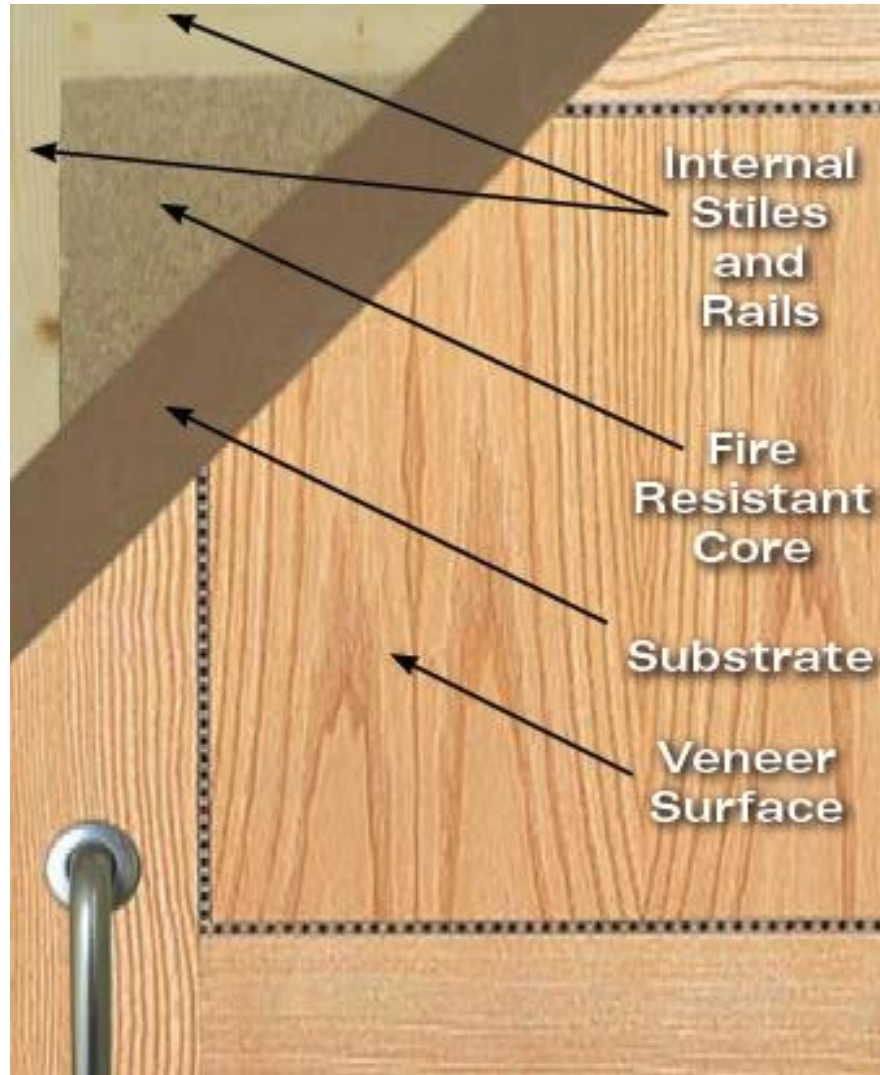
# Why Fire Doors work - How do I know they will?



- The difference between a standard door and a Fire Door.
- Why they work in a fire - and an ordinary door will not.
- What the test evidence will tell you.



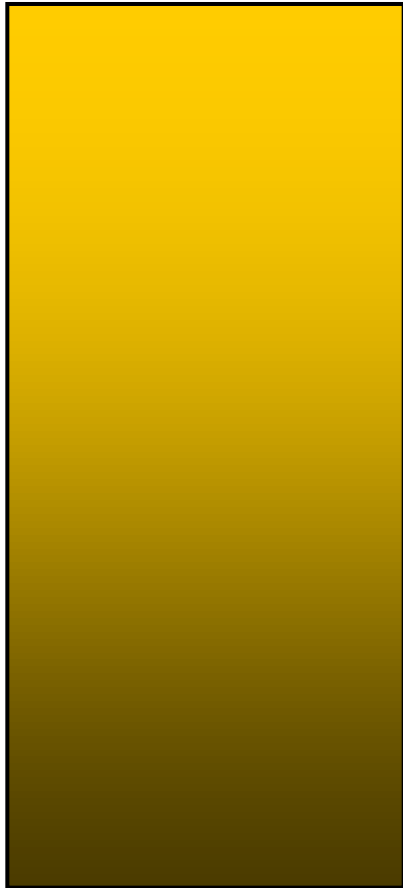
# How a fire door works



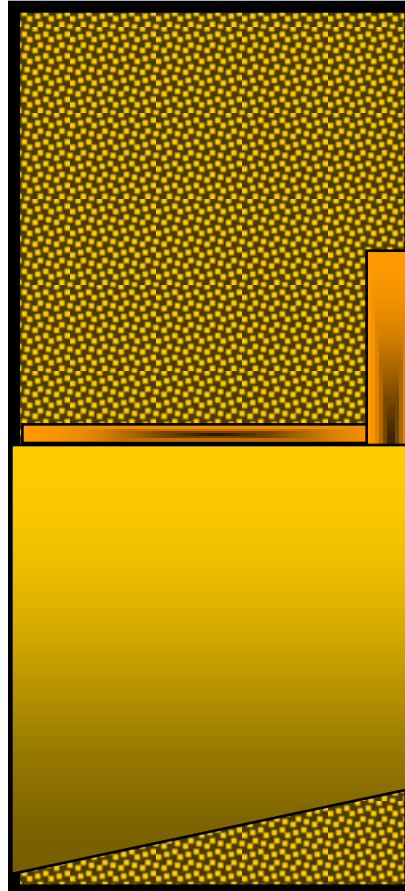
# Fire door composition



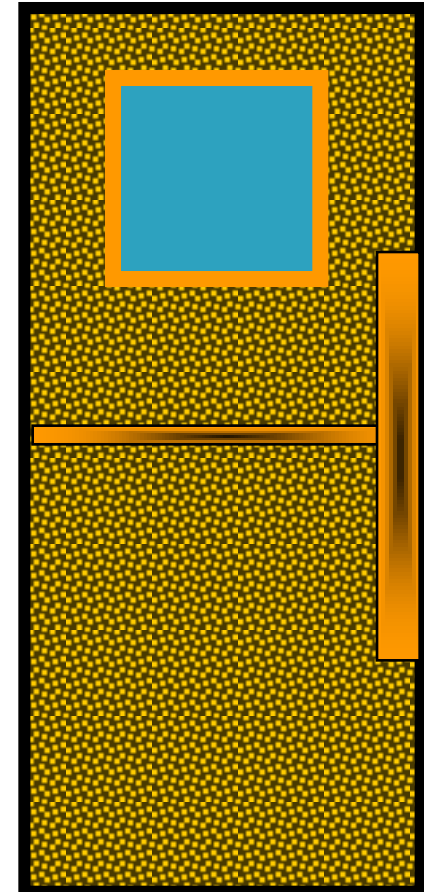
Door skin

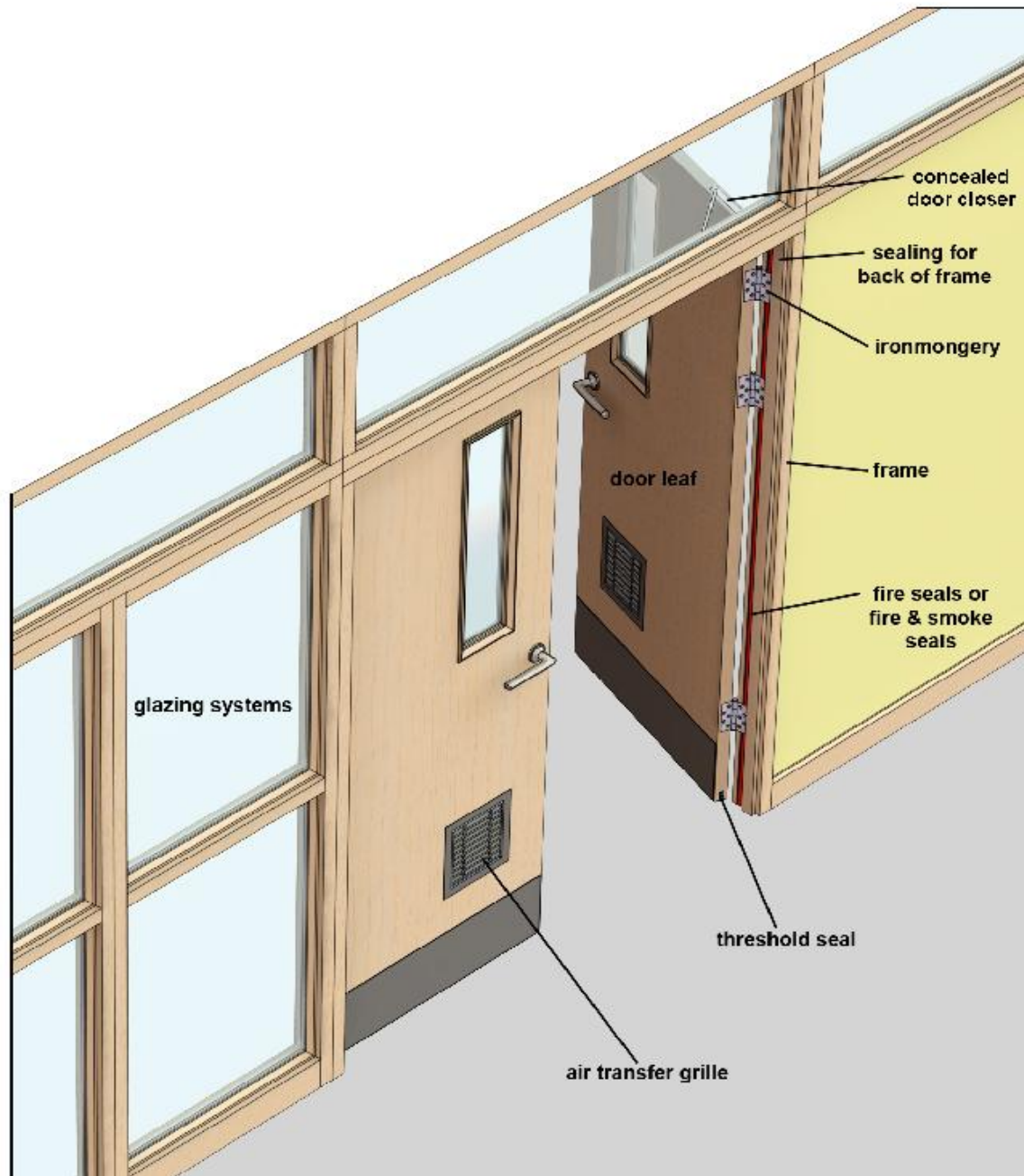


Door core + blocking



Removal of the core will weaken the door.





Each configuration requires a test to prove it will work

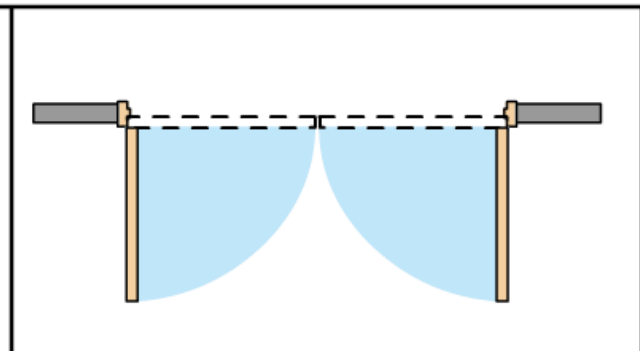
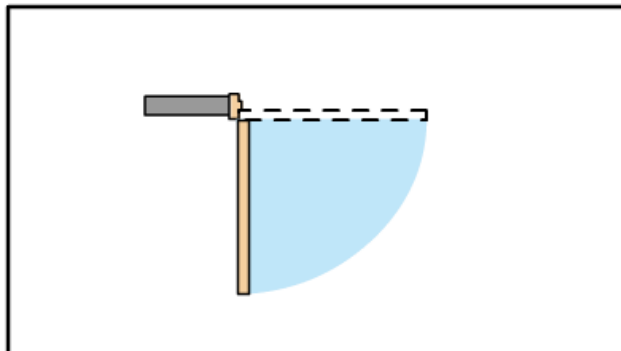
# Leaf

Single

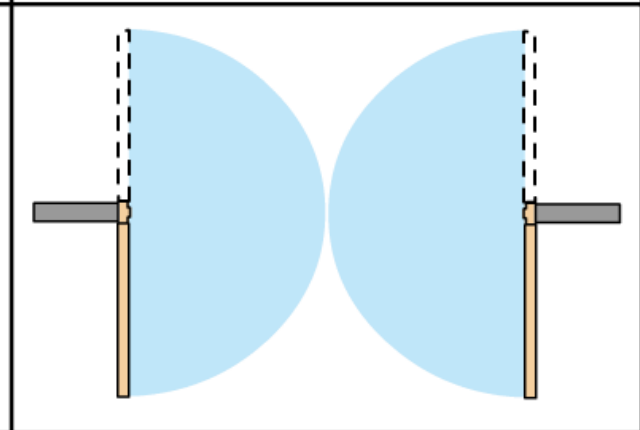
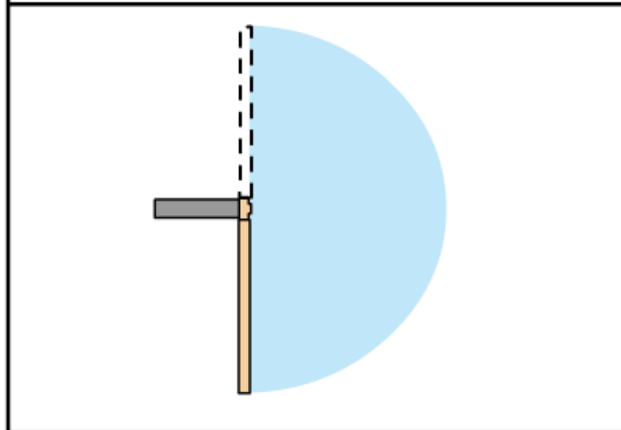
Double

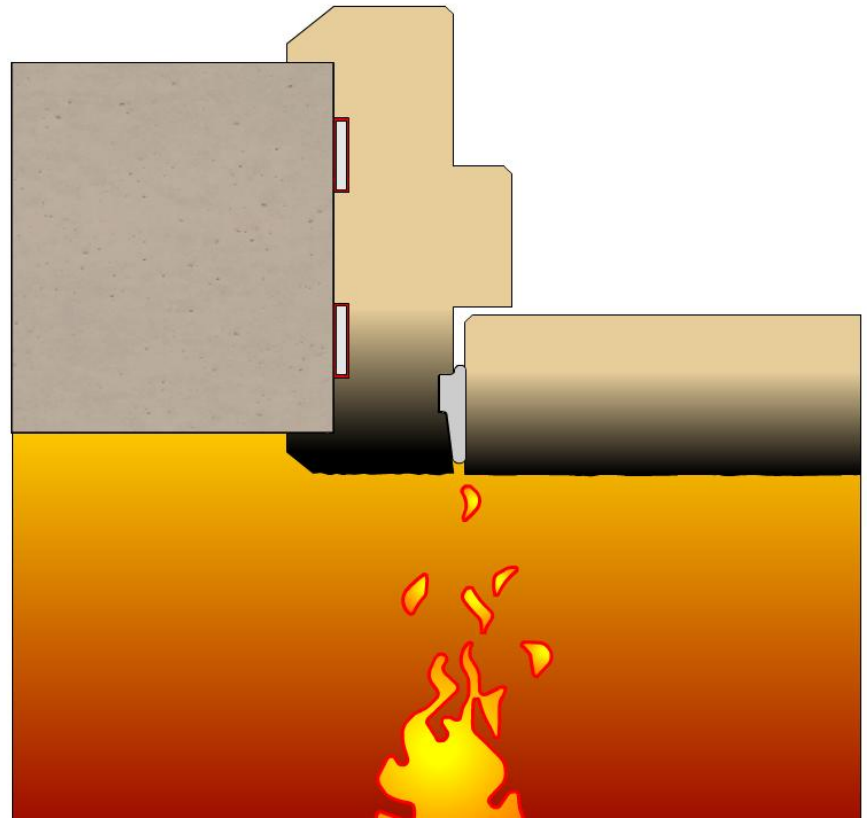
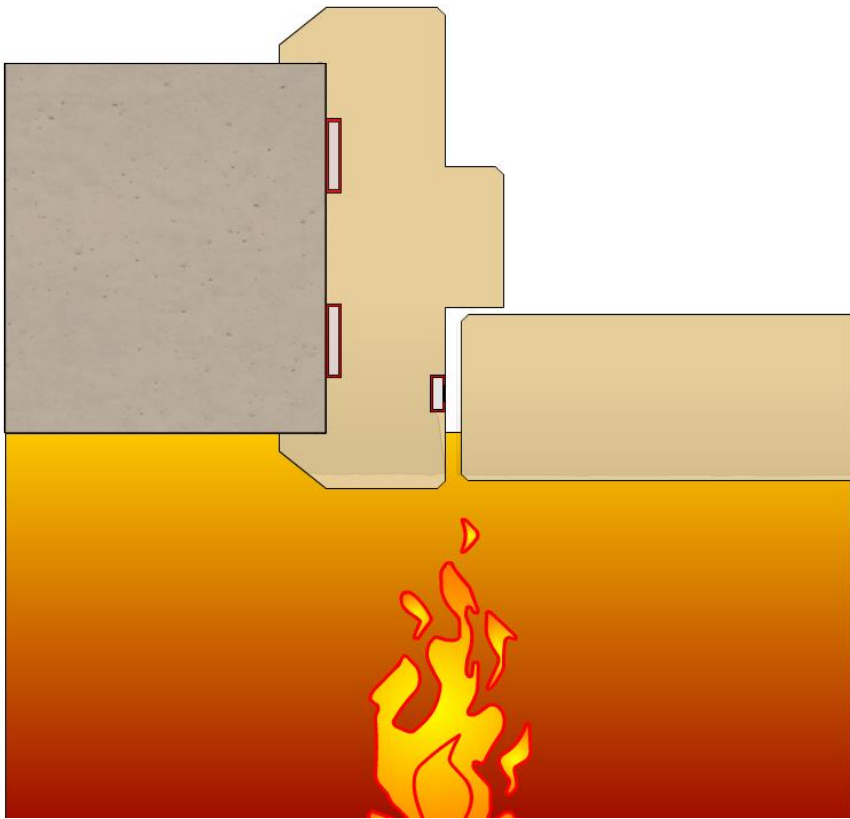
Acting

Single



Double








# CE Marked & Certifire Approved



  
**CERTIFICATE OF APPROVAL**  
No CF 341

This is to certify that, in accordance with T500 General Requirements for Certification of Fire Protection The undermentioned products of


**LORIENT POLYPRODUCTS**

Fairfax Road, Heathfield Industrial Estate  
Newton Abbot, Devon, TQ12 6UD  
Tel: 01626 834252 Fax: 01626

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT	TECHNICAL SCHEDULE
Lorient Type 617 Sodium Silicate intumescent seals (with optional SS/AS/TS/FS/DS/Finesse smoke seals)	TS35 – TI Intumescent Resistant Door Assemblies


Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight  
Chairman - Management Council

Issued: 26<sup>th</sup> May 2004  
Reissued: 23<sup>rd</sup> June 2009  
Valid to: 22<sup>nd</sup> June 2014

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**CERTIFICATE OF APPROVAL**  
No CF 276

This is to certify that, in accordance with CERTIFIRE's Rules for Certification The undermentioned products of

**ASTROFLAME (FIRESEALS) LIMITED**

Unit 8 The 10 Centre, Stephenson Road, Sagenworth, Fareham, Hampshire

Tel: 01329 844500 Fax: 01329 844600  
Int tel: +44 (0) 1329 844500 Int fax: +44 (0) 1329 844600  
e-mail: sales@astroflame.com Web site: www.astroflame.com

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT	TECHNICAL SCHEDULE
Astroflame 'Astrostrip' Intumescent Fire and Smoke Seals	TS35 – The Contribution of Intumescent Seals to the Fire Resistance of Pedestal Door Assemblies (TS21 – The Contribution of Intumescent Fire, Smoke, Acoustic and Thermal Seals)

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight  
Chairman - Management Council

Issued: 4<sup>th</sup> November 2002  
Reissued: 13<sup>th</sup> December 2007  
Valid to: 17<sup>th</sup> December 2012

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**CERTIFICATE OF APPROVAL**  
No CF 369

This is to certify that, in accordance with CERTIFIRE's Rules for Certification The undermentioned products of

**HOPPE (UK) LIMITED**

Gayley Park Industrial Estate, Gravelly Way, Standford, Wolverhampton, WV10 7GW  
Tel: 01902 484407 Fax: 01902 484457

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT	TECHNICAL SCHEDULE
ARRONE Plus Range of Stainless Steel Hinges	TS24 The Contribution of Single Action Hinges to the Fire Resistance of Door Assemblies

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight  
Chairman - Management Council

Issued: 9<sup>th</sup> October 2006  
Revised: 31<sup>st</sup> March 2008  
Valid to: 8<sup>th</sup> October 2011

Page 1 of 5



  
**CERTIFICATE OF APPROVAL**  
No CF 215

This is to certify that, in accordance with CERTIFIRE's Rules for Certification The undermentioned products of

**ROYDE & TUCKER LIMITED**

Well Lane, Hitchin, Hertfordshire, SG4 0SB  
62 444444 Fax: 01462 444433

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT	TECHNICAL SCHEDULE
Half of CERTIFIRE	TS24 The Contribution of Single Action Hinges to the Fire Resistance of Door Assemblies

Issued: 7<sup>th</sup> February 2000  
Reissued: 10<sup>th</sup> April 2006  
Valid to: 9<sup>th</sup> April 2011

*Only valid when authenticated with a Certifire Seal*





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# **REGULATIONS THAT YOU NEED TO BE AWARE OF**

# Regulations affecting Fire Doors



- Building Regulations
- Other regulations;
  - Health and Safety
  - The RRO
- Impact on insurance policies

Performance	Notes	Regulatory Parts		
		England & Wales - Approved Documents	Scotland - Secions	Northern Ireland - Technical booklets
Fire Safety	<ul style="list-style-type: none"> <li>- Where a Fire Door is required</li> <li>- The fire resistance period expected</li> <li>- Specific requirements eg smoke seals &amp; signage</li> </ul>	B	2	E
Sound	<ul style="list-style-type: none"> <li>- Minimum sound resistance performance of the door</li> </ul>	E	5	G
Ventilation	<ul style="list-style-type: none"> <li>- Minimum air trasfer gap required under the door</li> </ul>	F	3	K
Thermal	<ul style="list-style-type: none"> <li>- Minimum thermal performance of the door if required</li> </ul>	L	6	F
Accessibility	<ul style="list-style-type: none"> <li>- Access to buildings for disabled people, including door width, hardware locations, opening forces, provision of vision panels and light reflectance values required</li> </ul>	M	3	R
Safety Glazing	<ul style="list-style-type: none"> <li>- Where safety glass is required</li> </ul>	N	4	V

# The RRO and Fire Doors



- Applies to ‘any person who exercises some level of control in all premises to take reasonable steps to reduce the risk from fire and ensure occupants can safely escape if a fire does occur’.
- Called the ‘Responsible Person’
- Although introduced Oct 2005, effective from October 1<sup>st</sup> 2006.

# The Effect



- ‘Responsible Person’ required to carry out Fire Risk Assessment
- Created need for training and certification of Fire Risk Assessors
  - Warrington Certification 3<sup>rd</sup> party certification scheme for Fire Risk Assessors in conjunction with RICS
- Register of Competent Fire Risk Assessors
  - Looking to develop Approved Fire Door Inspectors along similar lines
- Other companies (service engineers / inspectors) being asked to carry out fire door inspections)
- Many organisations still trying to get to grips with ‘Competent Persons’
  - NHS / Prisons / Retail Outlets / Hotels / HMO’s / Landlords/ FM companies

# RRO and Fire Doors



- A maintenance log should be kept, with all Fire Doors given a unique number
- Maintenance period should be appropriate for the type of building; high life risk, such as hospitals, schools and care homes should be monthly, but other buildings maybe bi-annual.
- Only products of equal or better standard should ever be fitted as replacements; as anything less could invalidate the doors Fire Certificate.
- Building Controllers can then use the inspections from the Maintenance log in their regular fire drills and routine fire precaution inspections.



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# **WHAT TO LOOK FOR WHEN CHECKING FIRE DOORS**

# What to look for when checking Fire Doors



- Doors & Frames
- Intumescent Seals
- Ironmongery
- Glazing Detail
- Fire Rated ATG's
- Gaps



# Label



- Has the Fire Door got a BWF – Certifire Scheme label on the head (top) of the door?
- If not, can you confirm that the door is a Fire Door and has been certificated as such?
  - Do you have handover documents?
  - Invoices or other information to help you find out

# Door Leaf



- Does the door leaf sit in the door frame, free from distortion?
- Is the door leaf free from damage?
- If the door leaf is veneered or lipped, is the glue still holding these products firmly in place?



# Door Frame

- Is the door frame firmly attached to the wall?
- Is the planted stop firmly attached to the frame?
- Is the frame to door leaf gap consistently 3mm (with a tolerance of +/- 1mm)?



# Fire & Smoke Seals

- Is the Fire Door an **FD30(S)** or an **FD60(S)**?
- Are there any seals present in the door leaf or frame?
- Are the seals free from damage?
- Are the seals continuous around the door leaf's perimeter?
- Are the intumescent seals, graphite or sodium silicate?
- If combined fire and smoke seals, are the fins or brushes free from damage?
- Is the door leaf to frame gap still 3mm (+/- 1mm)?

# Hinges



- Is there a CE mark?
- Are there a minimum of 3no x 100mm hinge leaves present, complete with screws?
- Are the screws tight and are they all effectively holding the door leaf or frame?
- Are the hinges free from oil leakage or metal fragments, which is a sign of excessive wear + tear?
- Check for wear on hinge knuckles and the pivot pin
- Light lubrication may be required



# Door Closers

- Is there a CE mark?
- Is the closer correctly attached to the door leaf and frame?
- Is the closer free of damage and not leaking any oil?
- If you open the door 5° or 75mm, will it close the door and engage the latch?
- If the arms are disengaged, is the Fire Door (when closed) in line with the frame and the intumescent seal?
- Pivoting arms and terminal fixings need to be checked for tightness and lubricated as appropriated.
- Opening, closing and latching speeds should be regularly checked and adjusted.

# Electro-Mag Hold Open Devices



- Is there a CE mark?
- Periodic checks must be conducted with the fire/smoke alarm tests weekly (as required in RRO).
- Does the hold-open device release the door when the power to the door is cut?
- If you open the door 5° or 75mm, will it close the door and engage the latch?
- Is the magnet (if separate) fixed on the same plane as the door closer?
- Check the door is not warped – sometimes caused by using the device over a long period



# Floor Springs

- Is there a CE mark?
- Careful inspection of the lower pivot area should be taken to remove any debris which may prevent closing.
- The upper pivot should not show any signs of wear and any indicated wear must be rectified to prevent the door jamming at critical times.
- If you open the door **5°** or 75mm, will it close the door and engage the latch?
- If double action does the door centre everytime and without 'play'.





# Lock or Latch

- Is there a CE mark?
- Bolts for locks or latches should be regularly checked to ensure that they fit centrally into their respective keeps, and hold the Fire Door into the frame.

# Panic + Emergency Exit Devices



- Is there a CE mark?
- Moving parts should be checked for wear and tear and replaced as required.
- Lubrication should be used where indicated.
- Screws and all fixings should be tested to ensure that they are secure.
- Electro-Mag devices should be tested with power off to ensure their continued use is available following power cuts.
- Floor sockets should be checked and cleaned regularly.
- Use of cable ties to prevent unauthorised use is illegal.
- Does the door lock when closed?

# Glazing Detail



- Are the glazing beads well attached to the door leaf and free from damage?
- Is the glass free from damage and cracking?
- Is the intumescent glazing seal continuous and attached to both the glass and bead?
- If the glass is below 1500mm from the bottom of the door is the glass a fire rated safety glass?



# Glass – what to look for

- Official evidence from a competent authority demonstrating the fire-resistance performance of the glazed system
- Evidence of installer competence (e.g. a UKAS-accredited certification body)
- A permanent stamp on the glass that indicates, as a minimum, product name and manufacturer/supplier, and possibly the fire performance rating as well
- The stamp must be visible and readable after glazing
- Marking of the applicable impact performance class (ie either class 1, 2, 3 according to BS 6262 Part 4)

# Fire resistant glass - guidelines



## Glass and Glazing Federation Best Practice Guide

<http://www.ggf.org.uk/frrg.aspx>

The screenshot shows a web browser window with the URL 'http://www.ggf.org.uk/frrg.aspx'. The page features a navigation menu on the left with links for Home, Latest News, Find Installer/Glazier, Shop, Links, Environment, and Carbon Calculator. The main content area is titled 'Fire Resistant Glazing' and includes a sub-section 'Fire Resistant Guide'. The text explains that fire resistant glazing provides protection for lives and property in the event of fire. It states that the fire environment is hostile and its effects can be catastrophic for both life and property. The occurrence of fire and its development is also essentially unpredictable and uncertain. It concludes that it is therefore critically important that the specification, selection, and installation of fire resistant glazing are all carried out with close attention to detail. Fire resistant glazing may be used as a barrier for the fire separation or compartmentation as part of an integrated fire safety strategy for the building.

### Summary: key points of best practice

- For timber beads retaining screws, pins or nails must be angled to ensure that the glass is still held in place should the beads burn away
- The amount of edge cover and edge clearance when glazed, especially for modified soda lime toughened fire-resistant glass types (typically 10mm maximum for this type of glass)
- Quality of installation and workmanship

#### What to look for on site

- Official evidence from a competent authority demonstrating the fire-resistance performance of the glazed system
- Evidence of installer competence (e.g. UKAS-accredited certification body)
- A permanent stamp on the glass that indicates, as a minimum, product name and manufacturer/supplier, and possibly the fire performance rating as well
- The stamp must be visible and readable after glazing
- Marking of the applicable impact performance class (ie either class 1, 2, 3 according to BS 6262 Part 4)
- Appropriate and proper storage of glass types and availability of appropriate handling equipment
- Full appreciation of health and safety aspects by those handling and installing fire-resistant glazed systems

#### Maintenance

- Visual inspection is required during routine fire risk assessments

#### Refurbishment

- Confirm with the Responsible Person that the fire risk and fire hazard have not changed
- Any necessary refurbishments must be carried out according to the originally installed glazed system specification as approved, on a like-for-like basis
- All components must be replaced with a new complete approved fire-resistant glazed system if the original glazed system specification cannot be established

#### Always:

- Install the fire-resistant glazed system according to configuration, design and materials as tested or assessed
- Ensure that manufacturer's installation instructions are followed

# Threshold Gap



- If a Fire Door – the permissible threshold gap is **10mm**.
- If a Fire and Smoke Door – the permissible threshold gap should be **3mm** – the same as the perimeter gap.
- Does the door freely swing, without binding?



HMO Network Workshop

# **WHAT IF THE FIRE DOOR IS NOT FIT FOR PURPOSE?**



# What you can do

- Depends on many circumstances and **assessment of risk**
- Tighten screws – but why have they become loose?
- Adjust closers, locks latches etc. – lubricate
- Check glass – replace – like for like
- Check gap between door and frame
- Replace seals – like for like
- Use the labels for traceability
- **If in ANY doubt – consult experts**
  - Use BWF Directory
  - Use website
- **Do NOT cut corners**





# Circle of Responsibility

They're **YOUR** responsibility

- It doesn't matter where you are in the circle
- Applies to new installations
- Applies to existing doors





Any Views / Comments / Questions

**ANY QUESTIONS?**

Email : [firedoors@bnf.org.uk](mailto:firedoors@bnf.org.uk)