



Course title:

**Passive Fire Protection – FIRE DOORS –**  
two-day training session with  
Kilkenny Fire and Rescue Service and  
International Fire Consultants Ltd.



Course title: **Passive Fire Protection – FIRE DOORS –** Two-day training course  
Date: Tuesday 24<sup>th</sup> and Wednesday 25<sup>th</sup> October 2017  
Trainer: Mr Peter Barker of International Fire Consultants Ltd.  
*The aims and objectives of this training course are -*

- *To highlight and discuss fire doors and passive fire protection*
- *For the participants to become familiar with correct design and selection of fire doors for passive fire protection,*
- *To refresh and enhance the knowledge of all participants with regard to the importance of fire doors and passive fire protection.*
- *To establish a consistent approach among fire officers and industry with regard to fire doors – repairs and maintenance.*

**Programme – Day One**

08:30 – 09:00 – Arrival and coffee  
09:00 – 09:10 – Introduction by Chief Fire Officer – John Collins  
09:10 – Core module  
Mid-morning break circa 11:15 – 11:30  
11:30 – continue with Core module  
12:30 – 13:30 – Lunch  
13:30 - Training Module Two: ‘Fire Rated Timber Doorsets’.  
Mid-afternoon break circa 15:00 – 15:20  
15:20 – 17:00 - continue with Training Module Two: ‘Fire Rated Timber Doorsets’.  
17:00 – 17:20 – Q+A and Summary of day

**Programme – Day Two**

08:30 – 09:00 – Arrival and coffee  
09:00 – 09:10 – Introduction by David O’Reilly, ASFP, Association for Specialist Fire Protection  
09:10 – Training Module Three: ‘Fire Door Maintenance and Repair’.  
Mid-morning break circa 11:15 – 11:30  
11:30 – continue with Training Module Three: ‘Fire Door Maintenance and Repair’.  
12:20 – 12:30 – Course Photograph  
12:30 – 13:30 – Lunch  
13:30 - Training Module Four: ‘FR Composite Doorsets’.  
Mid-afternoon break circa 15:00 – 15:20  
15:20 – 17:00 - continue with Training Module Four: ‘FR Composite Doorsets’.  
17:00 – 17:20 – Q+A and Summary of day  
17:20 – 17:30 - Close of Course



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**Passive Fire Protection – FIRE DOORS –**  
two-day training session  
with Kilkenny Fire and Rescue Service and  
International Fire Consultants Ltd.



Course title:	<b>Passive Fire Protection – FIRE DOORS –</b> Two-day training session with lectures and workshop sessions
Date:	Tuesday 24 <sup>th</sup> and Wednesday 25 <sup>th</sup> October 2017
Places:	Limited number of places (maximum 40no)
Cost:	€250.00 per delegate including lunch both days
Location:	Hotel Kilkenny – Conference Room - City Suite I - Callan road, Kilkenny, Co. Kilkenny, @ 08.45 for 09.00 sharp start
Prerequisite:	Fire Officers to come in uniform (course photograph)
<b>Reason(s)</b>	<p>The aims and objectives of this training course is -</p> <ul style="list-style-type: none"> <li>• To highlight and discuss fire doors and passive fire protection</li> <li>• For the participants to become familiar with correct design and selection of fire doors for passive fire protection,</li> <li>• To refresh and enhance the knowledge of all participants with regard to the importance of fire doors and passive fire protection.</li> <li>• To establish a consistent approach among fire officers and industry with regard to fire doors – repairs and maintenance.</li> </ul>

<b>Day One</b>	
<u>Training Synopsis</u>	
<b>Training Module One:</b> ‘Core’ module	Duration: ½ day.
Who for: Risk Assessors, Fire Officers, Architects, Building Control, Managers, Supervisors and Installers.	
The ‘Core’ module is divided into three parts – ‘Introduction’, ‘Regulations’ and ‘Fire and Fire Testing’.	
The first part of the ‘Core’ module is an introduction to the International Fire Consultants Group. The module then looks at ‘Why are you here?’ and reasons why the installation of fire systems should be undertaken correctly. The initial introduction is completed by looking at the consequences if not done correctly with examples of actual fires that have occurred.	
The second part of the ‘Core’ module looks at the regulation guidance in Ireland and the recent changes effecting passive fire protection installations. We then look at third party certification for products and installers and CE marking. This section is completed with an introduction to passive and active fire protection and brief details specifically about active fire protection and smoke control.	
The third part starts with ‘What is Fire?’ and then covers some of the terminology and some causes of fires in buildings. The fire tests are then examined with respect to large scale ‘Fire Resistance’ tests and ‘Reaction-to-Fire’ testing. The session is finalised with a look at the European guidance and the European fire testing.	

<u>Training Synopsis</u>	
<b>Training Module Two:</b> ‘Fire Rated Timber Doorsets’	Duration: ½ day module.
Who for: Risk Assessors, Fire Officers, Architects, Building Control, Managers, Supervisors and Installers.	
The ‘Fire Rated Timber Doorset’ module comprises the following:-	
The first part of the ‘Fire Rated Timber Doorset’ module is an introduction to fire rated timber doorsets. The module then looks briefly at the regulations, picking up on the specific items relating to fire doors. The next part examines third party certification of doorsets and door marking/labelling. The following section goes into the detail of the fire testing of fire doors, assessments and limiting the smoke spread through a fire door.	
The main part of the training concentrates on all aspects of the fire rated timber doorsets, starting with handling and storage, the supporting construction and then looking at the specific details of the doorset installation including the door frame, the gap behind the frame, the door leaf and the designs available, doorset configuration and refurbishment of older doors.	
The second half of the training looks at the building hardware, intumescent and smoke seals, glazing in doors including sidepanels and overpanels.	
The module is completed with a reference to some useful sources of information.	
Please note that the maintenance of fire doors is covered under a separate training module however there is some overlap between the two modules.	



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**Day Two**

Training Synopsis

**Training Module Three:** 'Fire Door Maintenance and Repair'

Duration: ½ day module.

Who for: Risk Assessors, Fire Officers, Architects, Building Control, Managers, Supervisors and Installers.

This module differs from the 'standard' **Fire Rated Timber Doorset** module in that existing doors are examined, as opposed to new installations. Existing doors will suffer ongoing abuse so we may only be interested in damage repair or changing a lock. The 'Fire Door Maintenance and Repair' module comprises the following:-  
The first part of the 'Fire Door Maintenance and Repair' module is an introduction to fire rated doorset systems and the use of caveats. The module then looks briefly at the regulations, picking up on the specific items relating to fire doors, including the specific requirements for fire doors applicable to hospitals. The following section looks briefly at the fire testing of fire doorsets and smoke spread through a fire door.

Although the module looks at all pedestrian door types the main part of the module concentrates on the maintenance and repair of timber doors, as these are the designs that tend to suffer more on-site. There is an initial quick look at the supporting construction, the frame installation and any resulting gaps – not usually part of a maintenance program, but cannot be ignored. The bulk of this part looks at the clues available to be able to identify the door as a fire door. Then basic situations are examined such as excessive leaf-to-frame gaps; trimming of door leaves; changing rebated meeting edges; failure to close and preventative maintenance. The second half of the module looks in detail at the building hardware, intumescent and smoke seals, glazing in doors including sidepanels and overpanels.

There is then a brief look at older doors that might be listed under English Heritage.

The penultimate part provides a summary checklist of the items that should, as a minimum, be checked on a fire door.

The final part looks briefly at the maintenance and repair of steel, aluminium, composite, etc doorsets.

Please note that there is some overlap between this module and the 'Fire Rated Timber Doorset' module.

Training Synopsis

**Training Module Four:** 'FR Composite Doorsets'.

Duration: Approximately ½ day module.

Who for: Risk Assessors, Fire Officers, Architects, Building Control, Managers, Supervisors and Installers.

The '**Fire Rated Composite Doorset**' module comprises the following:-

The first part of the 'Fire Rated Composite Doorset' module is an introduction to fire rated doorsets and what constitutes a composite door system. The module then looks at third party certification of doorsets and door marking/labelling. The following section goes into the detail of the fire testing of fire doors, assessments and limiting the smoke spread through a fire door.

The main part of the training concentrates on aspects of the variation of fire rated composite doorsets, starting with handling and storage, the supporting construction and then looking at the unique and specific details of the doorset installation including the different types of door frame, the gap behind the frame, the door leaf and the designs available and doorset configuration.

The second half of the training looks at the building hardware, intumescent and smoke seals, glazing in doors including sidepanels and overpanels.

The module is completed with a reference to some useful sources of information.

**Course bookings with and further details from -**

Killian John Hennessy, Senior Assistant Chief Fire Officer,  
Kilkenny Fire and Rescue Service.

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