

Q-Mark Fire Door Plugging Details





Plug Definitions



Outer colour: Period of fire integrity resistance

Inner tree colour: Status of manufacture of leaf, frame, doorset




Unique certified company's number


	Yellow Outer	30 minute fire integrity period (FD 30). Used for either partial or complete doorsets
	Blue Outer	60 minute fire integrity period (FD 60). Used for either partial or complete doorsets
	Brown Outer	90 minute fire integrity period (FD 90). Used for complete doorsets only
	Black Outer	120 minute fire integrity period (FD 120). Used for complete doorsets only


Plug Locations


- The preference is for plugs to be fitted just below top hinge at around eye level.
- When only one plug is required, it will normally be fitted to the door leaf but may also be fitted to the frame if desired.
- It is advised that plugs are fitted down the centre line of leaf or the centre of the frame rebate.
- Plugs can be fitted through intumescent seals if required.

Plug Requirements

Door Leaf or Door Frame	
 (Red)	<p>Fitted within the appropriate outer plug to a door leaf or door frame to identify that it is a Q-Mark approved door leaf or door frame. The leaf and frame could come from different Q-Mark certified fire door manufacturers.</p> <p>The door leaf or door frame will not be in a finished state. It may not be fully prepared for the required intumescent strips or hardware. Therefore further work is needed to be carried out before the door leaf assembly is ready to be hung into a door frame.</p> <p>Clear instructions for further processing and installation of the door assembly must be supplied by the Q-Mark certified fire door manufacturer relating to a specific Initial Type test or Global Assessment within their scope of certification.</p>
 (Green)	<p>Fitted within the appropriate outer plug to a door leaf or door frame to identify that it is a Q-Mark approved door leaf or door frame. The leaf and frame could come from different Q-Mark certified fire door manufacturers.</p> <p>The door leaf or door frame may not be in a finished state. It must be fully prepared for all the required intumescent strips around the perimeter gap, which can be either fitted or supplied loose but must be supplied. If the intumescent strips are supplied loose, they must be clearly identified to the appropriate door leaf or frame to which they will be fitted.</p> <p>The door leaf or frame might not be fully prepared for all of the appropriate hardware, in which case it must be clearly specified which hardware and any required associated intumescent protection is to be finally fitted at a later date by others.</p> <p>Clear instructions for the further processing and installation of the door assembly must be supplied by the Q-Mark certified fire door manufacturer relating to a specific Initial Type test or Global Assessment within their scope of certification.</p>
 (Orange)	<p>Fitted within the appropriate outer plug to a door leaf only if glazing is in the door leaf, This plug is in addition to all other required plugs, to identify that glazing has been specified and fitted to the door leaf by a Q-Mark certified fire door manufacturer as per the same Initial Type Test or Global Assessment used to manufacture the door leaf. If glazing is included within a sidelight or fanlight (not within the door leaf), then the glazing system may be finally fitted on site, in which case clear installation instructions must be provided by the Q-Mark certified fire door manufacturer relating to a specific initial Type Test or Global Assessment within their scope of certification.</p>


Complete Doorset	
 (Silver)	<p>Fitted within the appropriate outer plug to a door leaf and/or door frame to identify that it is a Q-mark certified (factory hung) doorset.</p> <p>There will be no further preparation work carried out to either the leaf or frame before it can be fitted into the building. It is permissible for hardware such as locks, hinges or door closers etc. to be finally fitted during the installation process, but the preparations to accept the hardware will have been completed by the Q-Mark certified fire door manufacturer. The hardware along with the supply of any required intumescent protection materials must be supplied by the Q-Mark certified fire door manufacturer.</p> <p>Clear instructions for further processing and installation of the doorset must be supplied by the Q-Mark certified fire door manufacturer relating to a specific Initial Type Test or Global Assessment within their scope of certification.</p> <p>The final assembly and installation of the doorset should be able to be completed with simple tools only, such as a screwdriver. No further preparations are allowed to be completed by the installer other than appropriate pilot holes for screws etc.</p>

Q-Mark Fire Door Installation	
 (Gold)	<p>Fitted within the appropriate outer plug to a door leaf to demonstrate that the doorset has been installed under the supervision of a Q-Mark Approved Installer. This is in addition to all other plugs previously fitted to the doorset.</p> <p>This gold plug MUST ONLY be fitted to a Q-Mark certified (factory hung) fire doorset, identified as such by having a silver tree plug fitted to the door leaf.</p> <p>If the door leaf has glazing fitted but an orange tree plug has not been fitted to the door leaf, or if sidelight/fanlight glazing is present but not all component parts/full installation instruction were supplied then regardless of any other plugs fitted, the doorset cannot be confirmed as Q-Mark certified and the gold tree installation plug cannot be fitted.</p> <p>Note: It is mandatory to fit a gold installation plug when the doorset is identified as being a complete Q-Mark approved doorset. It is not acceptable to just affix a gold installation label.</p> <p>Whenever the installed doorset is included within a Record of Installation Activities, it must either have a gold plug or gold label affixed.</p> <p>Whenever a gold plug or a gold label is affixed to a doorset it must be included within the Record of Installation Activities.</p>

Q-Mark Fire Door Plug identification and traceability	
	<p>The number printed in the centre of the tree for all colours is the identification number for a Q-Mark certified fire door manufacturing company or Q-Mark certified installation company. This maintains traceability for which company was responsible for completing each part of the doorset manufacture, assembly and installation process.</p>

Non- Q-Mark manufactured doorsets

Where the doorset being installed has not been manufactured by a company certified under the Q-Mark Fire Door scheme the doorset cannot be fitted with Q-Mark plugs or marked with a label that reproduces the design of the Q-Mark plug. In this situation the Q-Mark **gold** Fire Door Installer plug cannot be fitted.

Q-Mark Fire Door Installer – Non Q-Mark doorset Label options	
	<p>A gold Fire Door Installer label bearing the company's certificate number must be attached to any door leaf, door frame or doorset that is listed on the Record of Installation Activities form where the fitting of a gold installation plug is not applicable but the Installer is working under the Q-Mark scheme requirements.</p> <p>A gold installation label can be used in addition to the gold installation plug to a Q-Mark certified doorset if required.</p>