

QWR-PC242-01

Plastic Pipe penetrating a Plasterboard timber framed ceiling (242mm or thicker)

This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines. In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.



Additional Information

The floor comprised of 195mm deep by 45mm thick grade C16 timber joists at 550mm centres. The exposed face comprised 2 layers of 12.5mm Gyproc Fireline Plasterboard fixed to the underside of the joists at 150mm centres. 22mm chipboard was used on the unexposed face of the construction, fixed at 150mm centres.

The QWR Fire Collar is secured using M6 X 65mm steel hollow wall anchors through all lugs.

22mm deep x ≤10mm annulus of QuelStop Intumescent Acrylic Sealant to floorboard on the unexposed face.

QuelStop Acrylic Sealant

M6 x 65mm Steel Hollow Wall Anchor

Plastic Pipe

Timber Floor

Plasterboard Ceiling

QWR CE Fire Collar

Quelfire Products Required

Product Code	Description
QWR50/CE	Fire Collar for 50mm pipes
QWR110/CE	Fire Collar for 110mm pipes
QSS310	QuelStop Intumescent Sealant

Different Supporting Construction

For applications where the supporting construction is different to what is stated Quelfire are not able to comment, and we would advise you consult the project fire consultant or a qualified 3rd party to see if a technical assessment in accordance with the PFPF guidelines is possible.

The below mentioned Fire Test Report can be requested from Quelfire Technical Team via technical@quelfire.co.uk

Penetrating Service Type	Diameter (mm)	Pipe Wall Thickness (mm)	Recommend Hole Dia.	QWR Collar	Fire Rating
U-PVC	50	2.4	Ø52mm	QWR50/CE	90 minutes integrity U/C
	110*	3.2	Ø112 - 120mm*	QWR110/CE	90 minutes insulation U/C

***Up to a 5mm gap around the pipe, sealed with QuelStop CE Marked Intumescent Acrylic Sealant**

To be read in conjunction with:	Test Report WF410003, specimens B & D
Test standard:	Generally, In accordance with BS EN1366-3
Substrate minimum thickness:	242mm
First service support:	≤400mm
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	January 2023
Detail Reference:	QWR-PC242-01

Important Information:

1. The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
2. All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

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