

# QWR-PC230-01

# Plastic Pipe penetrating a Plasterboard timber framed ceiling (229.5mm or thicker)



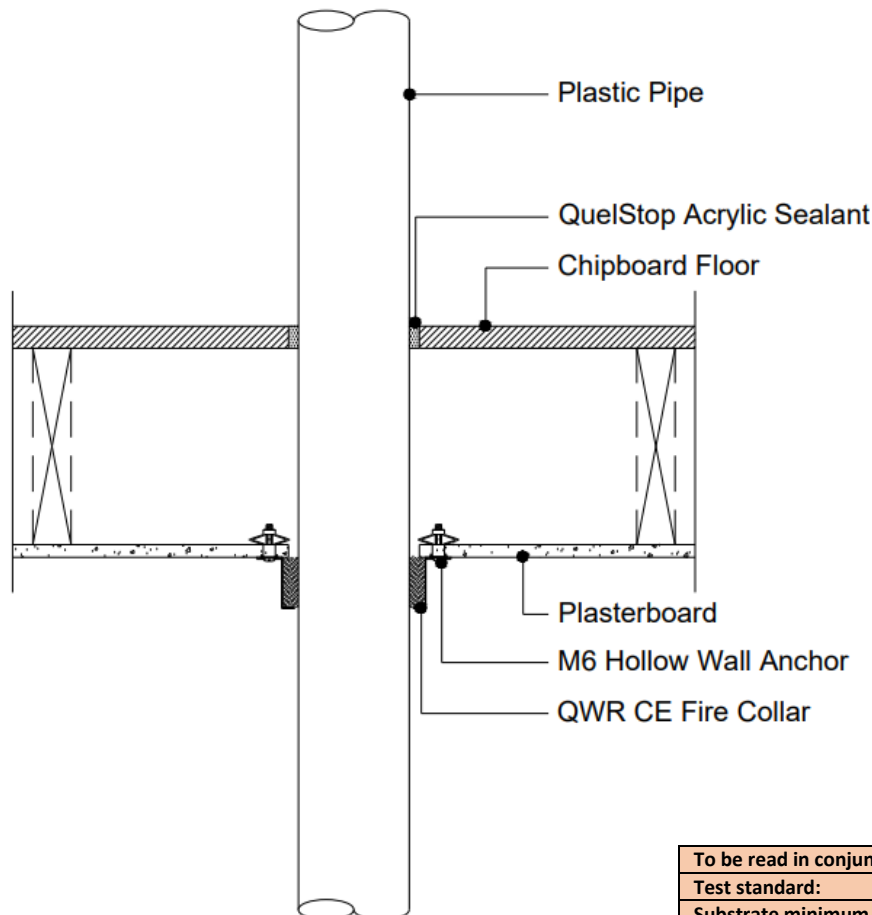
This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines  
In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore 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 600mm centres. The exposed face comprised 1 layer 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 52mm steel hollow wall anchors through all lugs.

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



## 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 3<sup>rd</sup> 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](mailto:technical@quelfire.co.uk)

| Service Type                                                                                               | Size of Service | Pipe Wall Thickness | Recommend Hole Dia. | QWR Collar | Fire Rating               |
|------------------------------------------------------------------------------------------------------------|-----------------|---------------------|---------------------|------------|---------------------------|
| U-PVC                                                                                                      | Ø50mm           | 2.4mm               | Ø52 - 70mm*         | QWR50/CE   | 60 minutes integrity U/C  |
|                                                                                                            | Ø110mm          | 3.2mm               | Ø112 - 130mm*       | QWR110/CE  | 60 minutes insulation U/C |
| *Up to a 10mm annulus around the pipe should be sealed with QuelStop CE Marked Intumescent Acrylic Sealant |                 |                     |                     |            |                           |

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| To be read in conjunction with: | Test Report WF504204/R, Specimens B & C   |
| Test standard:                  | Generally, In accordance with BS EN1366-3 |
| Substrate minimum thickness:    | 229.5mm                                   |
| First service support:          | ≤400mm                                    |
| Drawing Scale:                  | Not to Scale                              |
| Issue Number:                   | 2                                         |
| Date of Issue:                  | January 2023                              |
| Detail Reference:               | QWR-PC230-01                              |

## Important Information:

- 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.
- 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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