

## CFC-PC230-01

## Ceiling fan penetrating a plasterboard ceiling (230mm 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 Instructions

The tested 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 thick tongue and groove chipboard was used on the unexposed face of the construction, using 60mm long chipboard screws.

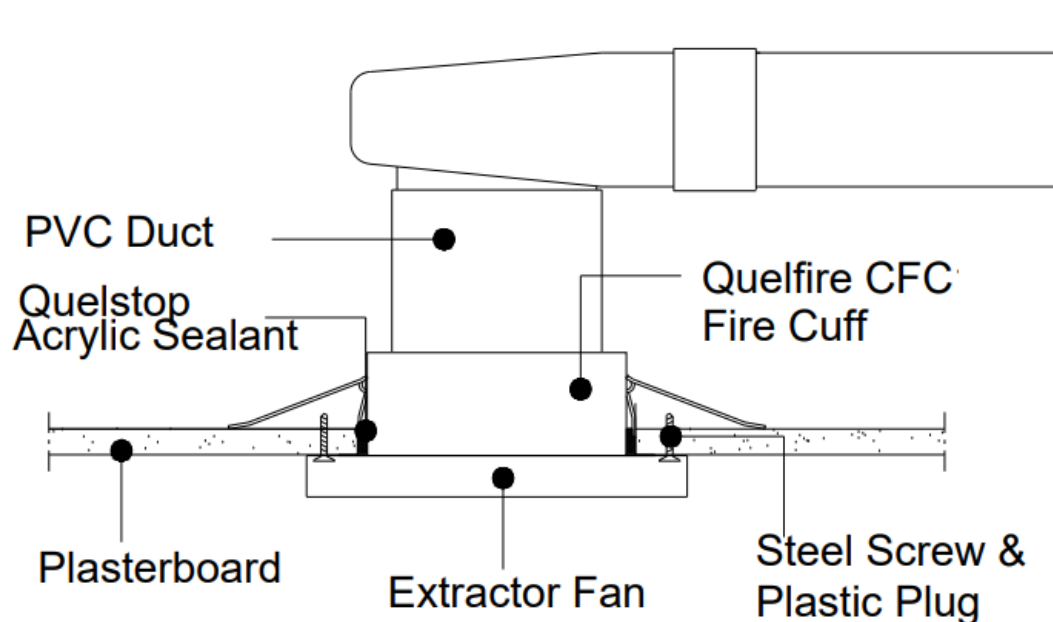
The annular gap between the CFC and the aperture should be sealed using QuelStop Intumescent Acrylic Sealant.

### Different Fan Units & Substrates

Please speak to the Quelfire Technical Team at [technical@quelfire.co.uk](mailto:technical@quelfire.co.uk) with regards any variances in the overall construction. Whilst we cannot comment on the performance of different fan units or the use of the CFC100 in substrate constructions other than those tested and listed on this document, the WF Test Report on which it is based can be made available for assessment by a qualified third party in accordance with the PFPF guidelines.

### Quelfire Products Required

Product Code	Description
CFC100	Ceiling Fan Cuff for 100mm dia PVC Duct Fan
QSS310	QuelStop Intumescent Acrylic Sealant



To be read in conjunction with:	WF Test Report 510322/R Issue 3, Specimens D - F
Test standard:	Generally, in accordance with BS EN1364-2 and additional guidance from BS EN1366-3
Substrate minimum thickness:	230mm
Drawing Scale:	Not to Scale
Issue Number:	2
Date of Issue:	January 2023
Detail Reference:	CFC-PC230-01

Service Type	Size of Services	Aperture	Fire Rating
Envirovent Silent 100 Fan	Ø100mm	Ø135mm	60 minutes Integrity 60 minutes Insulation
Envirovent ECO dMEV Fan			
Titon Ultimate dMEV			

### 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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