

Quelfire CFC Ceiling Fan Cuffs prevent the spread of fire through ceilings where plastic ceiling fans penetrate the fire line plasterboard.

FEATURES & BENEFITS

- Tested generally in accordance with BS EN 1364-2 Fire Resistance Tests for non-loadbearing elements – Part 2: Ceilings and additional guidance from BS EN 1366-3. (Test Report WF424611 and WF510322)
- Up to 90 minutes Integrity and Insulation.
- Can be retrofitted.
- Suitable for a range of ventilation systems
- Tested on both single and double skin plasterboard ceiling timber floors



CFC Ceiling Fan Cuff



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CFC Ceiling Fan Cuff installed - cross section

COMPOSITION

The CFC Ceiling Fan Cuffs consist of a continuous pressed stainless steel flexible shell containing a high performance graphite based intumescent material which reacts under the influence of heat to exert pressure on the duct as it softens to form a carbonaceous char which provides an effective insulation plug thus preventing fire passing through to the adjoining compartment. The CFC has built in spring clips which hold it to the plasterboard ceiling.

Tested on the following Extract Fan Units:

- Envirovent Profile 100 Fan
- Envirovent Silent 100 Fan
- Envirovent ECO dMEV Fan
- Domus SDF 100mm Axial Fan
- Domus GCF Centrifugal Fan
- Titon Ultimate dMEV

Assessed for use with the following Extract Fan Units:

- Vectaire Elegance EL100
- Vectaire ELIX 100s

PERFORMANCE

Product Code	PVC Duct Size (mm)	Recommended hole dia. (mm)	CFC Length (mm)	Fire Rating
CFC100	Ø100mm	Ø135mm	50mm	Up to 90 mins

APPLICATION / INSTALLATION

1. Cut the plasterboard aperture to Ø135mm around the Ø100mm PVC duct spigot.
2. Centralise the PVC duct spigot within the hole.
3. From the underside push the Quelfire CFC up into the aperture around the PVC duct ensure the spring clip clamps fully back onto the plasterboard and that the Quelfire CFC is clamped tight in position.
4. Make sure the gap between the CFC and the plasterboard is clean of any debris and remove dust from all edges.
5. Seal the small gap between the CFC and the plasterboard and around the power cable with QuelStop Intumescent Acrylic Sealant.
6. Install the ceiling fan to the plasterboard with correct screw fixings in accordance with the ceiling fan manufacturers requirements.

The CFC has been tested in the scenario shown on the specific manufacturers' fan units. The customer/installer should satisfy themselves, or consult a fire engineer that the product, test data available, standards to which the product is tested, fan units and ducting, floor/ceiling construction is applicable and satisfactory for their specific scenario as Quelfire are not able to comment on each and every scenario.

Technical Support & Guidance:

Should you require any further information regarding this product, please do not hesitate to contact the technical department at Quelfire Ltd.

Tel: **0161 928 7308**. Email: technical@quelfire.co.uk

Please be aware that this document is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines.

Use of alternative components or deviations from the instructions in any way is likely to mean that the installation will not comply with the assessed rating.

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