

Aico Firecap CFS100

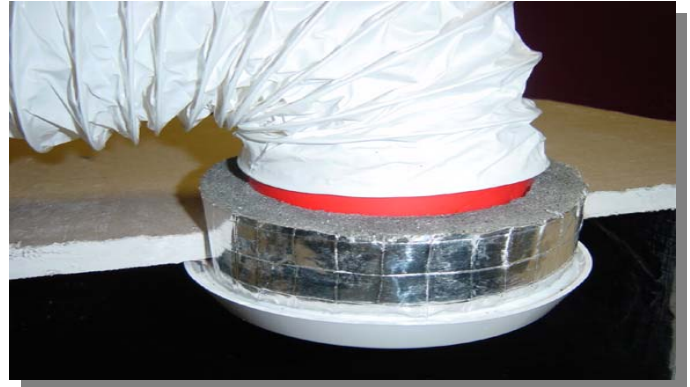
Recessed Ceiling Fan and Vent Sleeves

Recessed ceiling fans and ventilation ducts are widely used in both domestic and commercial buildings. Ceilings are subject to fire regulations and must be fire protected in accordance with Approved Document B of Building Regulations.

Once a hole is made in the ceiling for a polymeric fan or vent, the integrity of the construction and its ability to perform in the fire is reduced significantly, this must be firestopped to reinstate the original fire rating of the ceiling.

The popularity of forced / controlled ventilation is on the rise as it can be much more energy efficient than traditional ventilation methods. The use of centralised ventilation units and heat recovery units, result in the building being subject to penetration holes both horizontally and vertically through the structure, creating pathways for the passage of both fire and smoke.

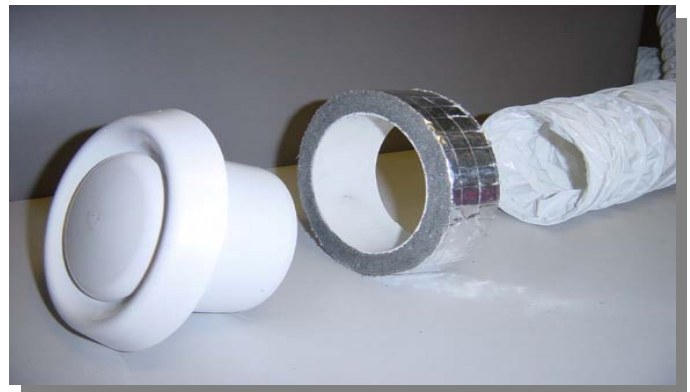
Unlike downlights, which are generally all fire protected, fans and vents are often left unprotected, a 100mm diameter fan or vent has several times the open area of a downlight and does not even have a metal “can” to slow the spread of fire, this coupled with the ability of the fire to move all around the Building via the ventilation system makes it ever more important to fire protect all ceiling mounted fans and vents.



Vent Firecap CFS100 Sleeve in Situ



Fan Firecap CFS100 with Flat Ducting



Vent Firecap CFS100 Sleeve Prior to Installation

Key Features & Customer Benefits

- Restores and maintains integrity of 30 & 60 minute fire rated ceilings.
- Sleeve fits in seconds.
- No mastic, screws or support required.
- Sleeve is invisible once fan / vent is fitted.
- Sleeve is light weight and can be fitted from above or below the ceiling.
- Easy to retro fit into existing fans / vents.
- Provides an effective acoustic barrier between fan / vent and ceiling.

TEST DATA

30 Minute Plasterboard / Timber Ceiling.
 Duration of effective protection - 36 mins
 Test standard - BS476 Part 21
 Test number - Chilt/IF06015

60 Minute Plasterboard / Timber Ceiling.
 Duration of effective protection - 72 mins
 Test standard - BS476 Part 21
 Test number - Chilt/IF06021

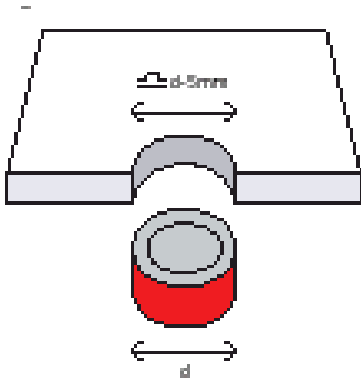
CFS100 Recessed Ceiling Fan and Vent Sleeves

The Firecap CFS100 sleeve has been developed to provide maximum protection for holes created by the introduction of the most popular sizes of polymeric recessed ceiling fans and vents with minimal installation time. In a fire situation, the sleeve expands internally to crush the spigot of the fan / vent and create an effective barrier against both heat and flames. Unlike other “intumescent” materials the Firecap CFS100 Sleeves do not need additional support and will only expand inwards.

Fitting Instructions

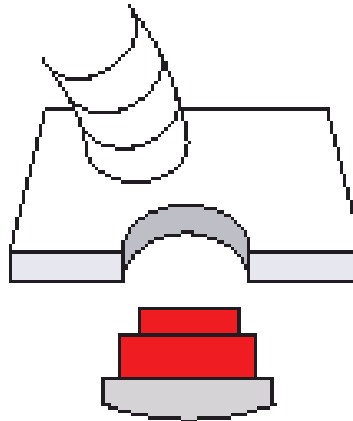
Step One

Use OD of sleeve as template and cut a hole in ceiling to provide a snug fit



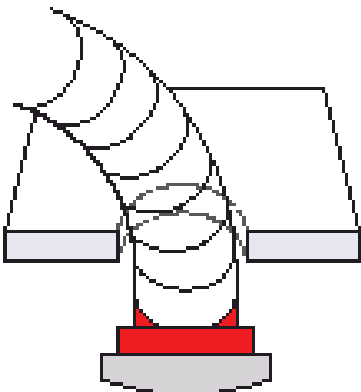
Step Two

*Place sleeve and spigot extension, if required, onto the fan / vent spigot.



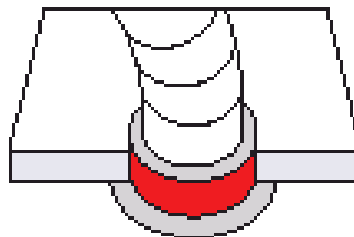
Step Three

Attach flexible hose to spigot.



Step Four

Ease the fan and sleeve into the ceiling cut out and locate with rigid ducting if required. Attach fan/vent to ceiling in the normal way.



Fittings

Firecap CFS100 Sleeves are available for both 80mm and 100mm dia fans / vents.

Typical ceiling cut outs required are - 110mm for 80mm
127mm for 100mm

* The spigot extension is not required unless the spigot length of the fan/ vent is not long enough to attach to the hose or rigid ducting with the sleeve fitted. The spigot extension can be shortened for “tight” ceiling voids.

These technically advanced products are easy to install and have been designed to ensure minimum additional costs. Rigorous testing by independent laboratories and consistently high standards throughout the UK based manufacturing process provide contractors with total peace of mind that their installations have been carried out with proper materials that satisfy the demands of Building Control in all respects.

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