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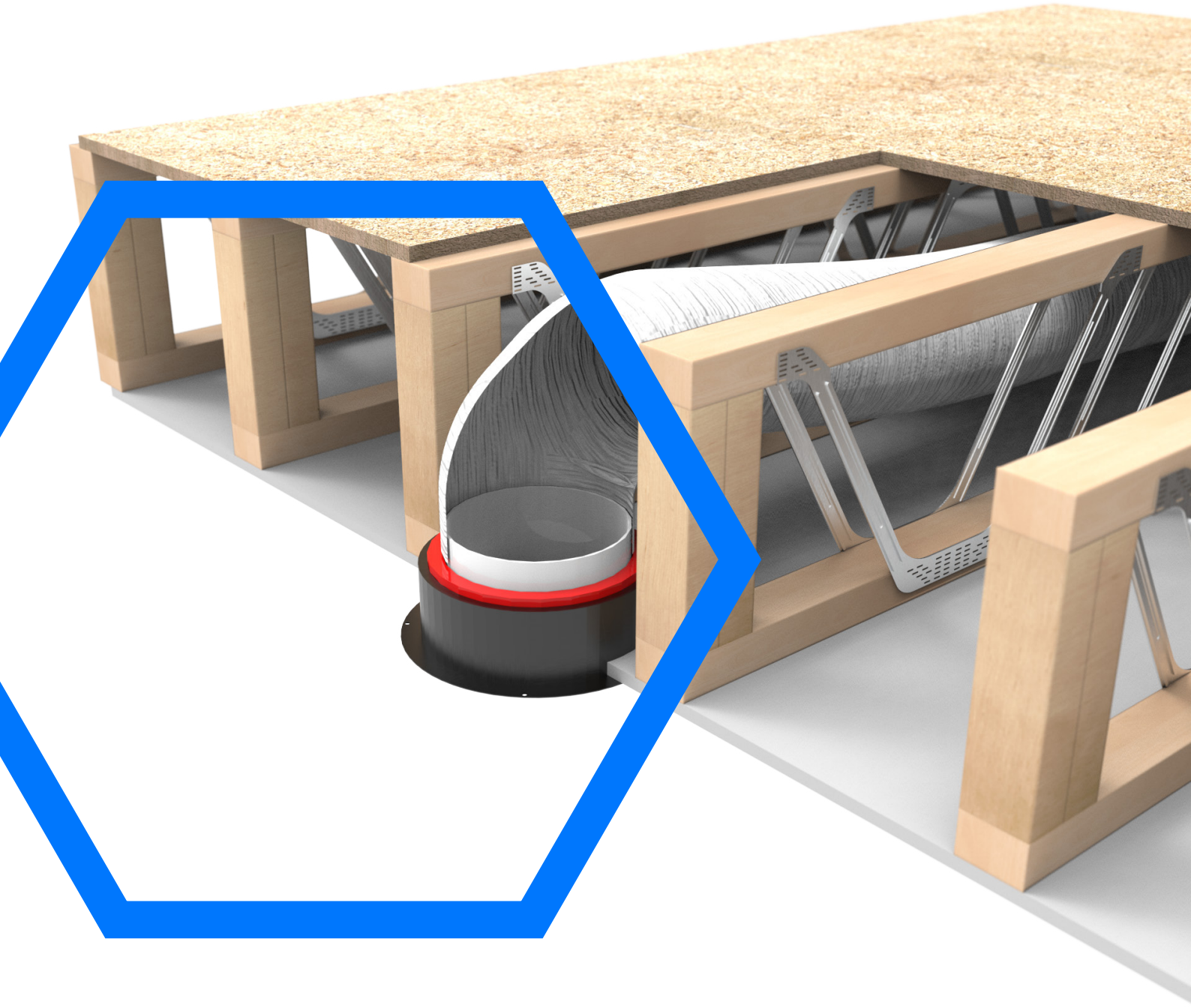


Ceiling Fan Firestop

Passive Fire Protection

Product Description

The Tenmat Ceiling Fan Firestop has been developed to provide fire protection for penetrations made in floor/ceiling systems for 100mm and 125mm ceiling fans.

In a fire situation, the intumescent lining in the product expands to seal off the opening in the ceiling and creates an effective fire barrier and therefore reinstate the fire rating of the ceiling.

Recessed ceiling fans are widely used in both domestic and commercial buildings. Once a hole is made in the ceiling for a fan, the integrity of the construction and its ability to perform in a fire is reduced significantly.

The penetration must be fire stopped in order to reinstate the original fire rating of the ceiling/floor construction as required within Building Regulations.

The Ceiling Fan Firestop incorporates a steel mounting ring with integral intumescent lining and duct connector which is fixed into the ceiling lining and allows the ceiling fan to be installed as normal.

Please check with Tenmat for compatibility with different Ceiling Fan Types.

Product Details

- Fire Protection solution for 100mm & 125mm Ceiling Fans
- Full Scale Fire Tested to BS EN 1365-2 on a loaded floor
- 30 minute fire rating
- Test evidence for use in Solid Timber, Metal Web Joist and Engineered I-Beam Floor/Ceiling Systems

Test Data

Fire Performance and *Assessment in accordance with BS EN 1365-2

Joist Construction	Ceiling construction with appropriate fire rating	Supply and extract Diameter in mm	Product Fire Classification Rating (minutes)			Report Reference
			Integrity (E)	Insulation (I)	Classification (EI)	
Mitek PS10+ Timber Chord with Metal Web Joist	1 x 15mm Siniat GTEC fire boards	100	30	30	30	Warrington-fire-WF394530
JJI Joists Solid Timber Chord with OSB Web Joist	1 x 15mm Siniat GTEC fire boards	100 and 125	30	30	30	Warrington-fire-WF422978
Solid Timber joists	1 x 15mm Siniat GTEC fire board or 2 x 12.5mm Siniat GTEC fire boards	100 and 125	30	30	30	*International Fire Consultants-PAR/20405/01
Mitek PS10+ Timber Chord with Metal Web Joist		100 and 125	30	30	30	
Timber I beams		100 and 125	30	30	30	

30 minute rated floors to be minimum 1 x 15mm or 2 x 12.5mm thick GTEC Fireline fire rated plasterboard on the underside or alternative plasterboard types that demonstrate performance in a system tested to BS EN 1365-2: 2014 for a minimum period of 30 minutes up to the load as tested

Floor construction to one of the following:

Mitek Posi-Joist made from min. 47mm wide x 70mm high top and bottom flanges and galvanised steel web

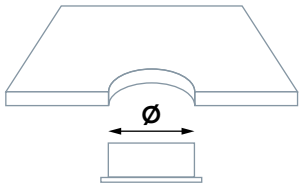
Timber joists min. 225mm high x 45mm wide C24 grade timber

Timber 'I' Beams which have been tested successfully in a system to BS EN 1365-2 for a minimum of 30 minutes up to the load which has been tested

In all above cases the fan/ducting must not penetrate any element of the loadbearing floor system other than the plasterboard layer.

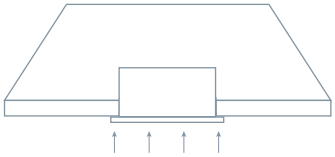
Minimum spacing from other ceiling penetrations must be 200mm.

Fitting Instructions



STEP 1

Cut a hole in the ceiling to match the outside diameter of the sleeve on the Ceiling Fan Firestop mounting ring.

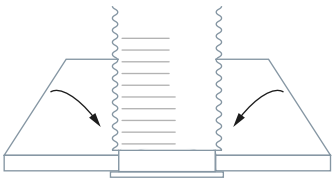


STEP 2

Push the Ceiling Fan Firestop mounting ring into the cut out aperture in the ceiling and fix through the collar using 4No. 3.5mm diameter by 42mm long drywall screws, to each of the pre drilled holes.

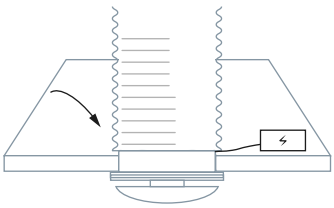
STEP 3

Ensure that the 2No. steel tabs are protruding towards the aperture within the collar, to prevent the duct sliding through the collar.



STEP 4

Install and fix the ceiling fan unit to the manufacturer's instructions, ensuring that the fan duct work spigot is centrally located within the firestop mounting ring.



STEP 5

Connect the ductwork to the ceiling fan duct spigot and the electrical supply as recommended by the fan manufacturer's instructions.

Note:
The Ceiling Fan Firestops are not tested or approved for use in walls or partitions.

Storage & Durability

Storage	Dry, ambient
Transportation storage temperature	-20°C to +70°C
Working Life	48 years
Durability	Type X intended for use in conditions exposed to weather (UV, rain, frost)
Fungal Resistance	Protected by polythene
Smoke/Halogen Content	Low Smoke / Zero Halogen

Sizes

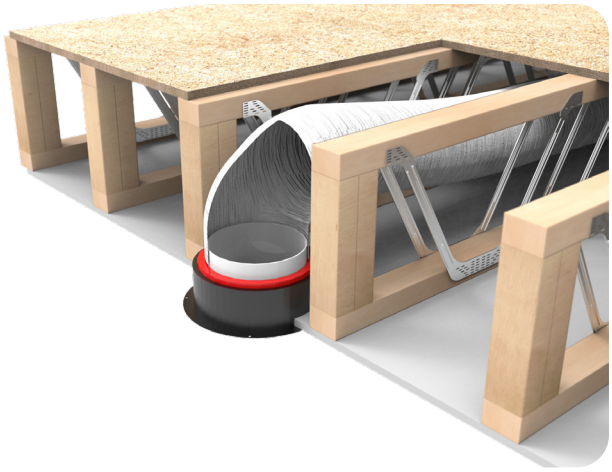
100mm Version (cut-out diameter required = 125mm)
125mm Version (cut-out diameter required = 150mm)

Tools

Circular hole cutter to form ceiling aperture and screw driver to drive screw fixings.

Maintenance

No maintenance required after installation.



Ceiling Fan Firestop expands when exposed to heat.

Notes

Notes

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