

MANN McGOWAN

Intumescent Fire Smoke & Acoustic Seals



Pyrogrille 100 Air Transfer Grilles

Square, rectangular and circular fire rated air transfer grilles for use in doors, walls and ducts

Pyrogrille 100 is designed for use in fire rated doors walls and ducts, where there is a need for free air movement in normal conditions. However, when subjected to heat in a fire situation, the intumescent material swells to many times its original size and seals the aperture, forming a solid mass. Being only 38mm thick, the slim design can be used in most applications. A wide range of covers are available to enable an aesthetic view when installed.

Features and Benefits

- Tested in flexible walling and ducting to BS476: Part 20: 1987, offering up to 120 minutes fire integrity
- Tested in timber doors to BS EN1634-1:2014, offering up to 60 minutes fire integrity
- Large range of standard and non-standard sizes available to suit all applications*
- Offers approx. 60% free area
- No moving parts therefore no maintenance required
- Slim design; only 38mm thick
- Can be supplied with a wide range of decorative covers if required
- Simple to install in doors, walls and ducts
- Circular sizes to suit standard and non-standard ducting
- Can be supplied complete in duct sections for services applications
- Standard finish is black but other colours are available

**Check with door manufacturer's fire test evidence for maximum size permissible.*

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Applications

Pyrogrille 100 has predrilled holes in the side component, and is installed by screwing through the side, into the aperture wall. Gaps around the grille perimeter are sealed using Pyromas A intumescent sealant to both sides. The product should not be used in areas of high/constant humidity.

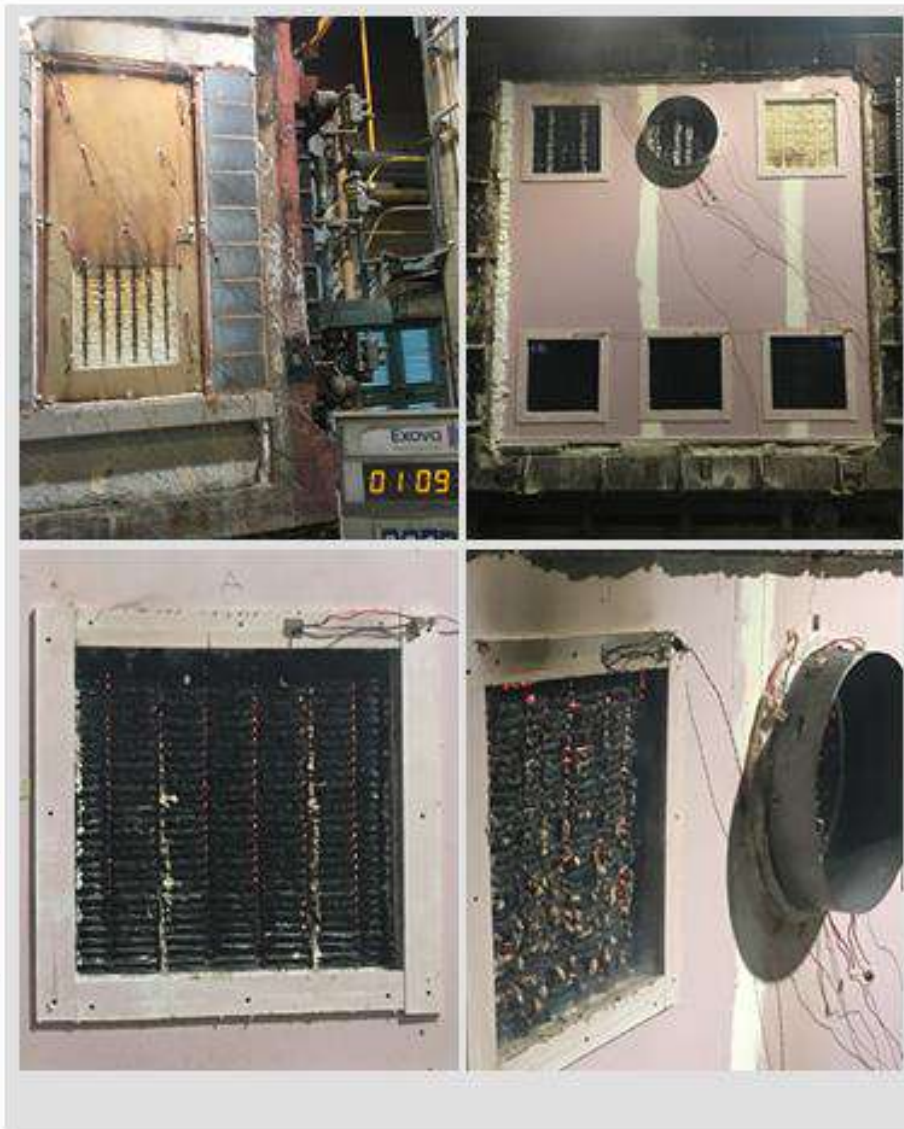
For circular applications in ducts, screw through the duct wall into the Pyrogrille 100 frames. Seal perimeter with a intumescent sealant to both sides.

Maintenance

With no moving parts, the Pyrogrille 100 does not require maintaining. However, a periodic inspection and wipe down with a damp cloth is recommended. The product should not be immersed in water.

Top left: Pyrogrille 100 rectangular ventilation grille, tested in timber doors to BS EN1634-1:2014, offering up to 60 minutes fire integrity.

Top right and bottom images: Pyrogrille 100 rectangular and circular ventilation grilles tested in flexible walling and ducting to BS476: Part 20: 1987, offering up to 120 minutes fire integrity.



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