



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.*

Technical

Circular air transfer grilles for services

Description

PYROGRILLE air transfer grilles are manufactured from high performance intumescent slats, spaced 12mm apart. The thickness of the units are 38mm.

Performance

PYROGRILLES have been subjected to fire resistance tests in accordance with BS 476 Part 20 : 1987 and assessed to Dutch Norm NEN 6069.

Applications

PYROGRILLE dampers must be secured within the ducting using 4 self tapping screws. On circular PYROGRILLES the screws should pass through the aluminium rings on the outer part of the PYROGRILLE. Clearance gaps should be sealed using PYROMAS A intumescent sealant.

Gaps around the PYROGRILLE unit greater than 3mm should be fire sealed using PYROMAS A intumescent sealant.

All Pyrogrille 100 has predrilled holes in the side component, and is installed by screwing through the side in to 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 Pyromas A intumescent sealant to both sides.

Finishes

Standard colour black.

Maintenance

Since there are no moving parts to go wrong, PYROGRILLES are easily maintained. Units should be cleaned using a damp cloth. Grease can be removed by using neat liquid detergent or methylated spirit. Strong degreasing agents should not be used nor should the units be immersed or saturated with water.

