



CERTIFICATE OF APPROVAL
No CF 549

This is to certify that, in accordance with
CERTIFIRE's Rules for Certification
The undermentioned products of

PYROPLEX LIMITED

The Furlong, Droitwich, Worcestershire, WR9 9BG
Tel: 01905 795432 Fax: 01905 791878
Web site: www.pyroplex.com

Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT

**Pyroplex Air Transfer
Grilles Systems**

TECHNICAL SCHEDULE

**TS47 – Intumescent Air
Transfer Grilles**

Signed and sealed for and on behalf of CERTIFIRE

Sir Ken Knight
Chairman - Management Council
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Issued: 18th July 2007
Valid to: 17th July 2012



Only valid when authentic
Seal is in place
CERTIFIRE



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PYROPLEX AIR TRANSFER GRILLE SYSTEMS

1. Pyroplex air transfer grille systems comprise a galvanized mild steel framework housing layers of graphite based intumescent. They are a range of modular grilles in two basic module sizes, 150 mm square and 112 mm high by 225 mm wide. The modules are built up into larger units by means of a metal clip system which connects the perimeter frames of the modules. Each face of the grille is covered with a Zintec mild steel faceplate screw fixed back to the door leaf/ wall surface.
2. The air transfer grille systems are approved on the basis of:
 - i) A design appraisal against TS47
 - ii) Initial type testing
 - iii) Manufacturing frequency checks
 - iv) Ageing and durability tests
 - v) Evidence of technical support
 - vi) Clear and unambiguous labeling of grilles
 - vii) Production surveillance under ISO 9001: 2000
 - viii) Ongoing audit tests in accordance with TS47
3. The air transfer grille systems are suitable to be used with the following: -

CERTIFIRE approved FD30 and FD60 timber based single-acting or double acting, single leaf or double leaf, latched or unlatched doorsets of minimum thickness 42 mm. The doorset assemblies shall consist of timber faced and edged leaves with timber, cellulosic or mineral cores in timber or metallic frames (Codes TT, ITT and ITM).

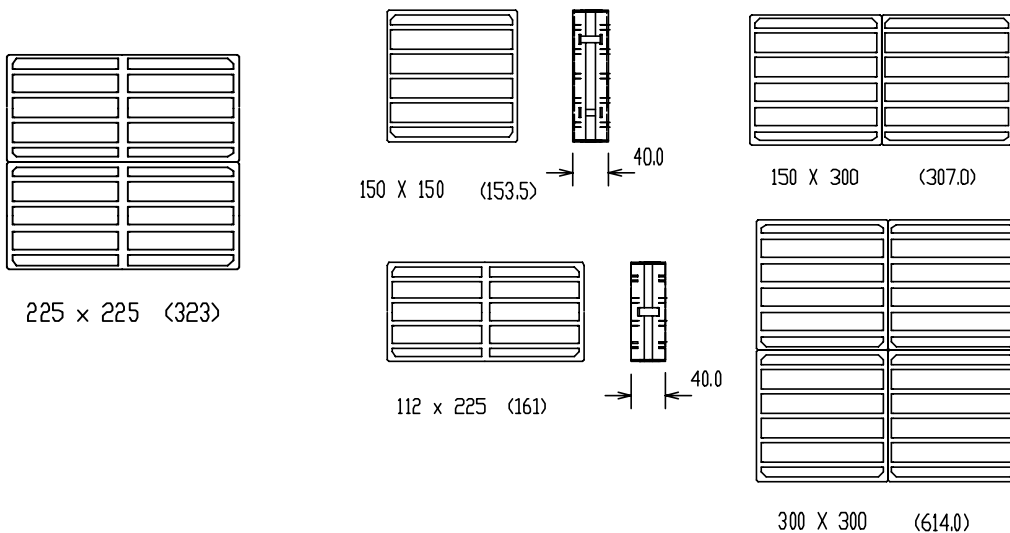
Partitions and masonry wall assemblies for 30 and 60 minutes integrity performances, where the fire resistance performance of the assembly is at least the same as that of the air transfer grille for the particular application.
4. Doorset assemblies and partition/wall assemblies into which the Pyroplex air transfer grille systems are to be fitted shall be previously successfully tested to BS 476: Part 22: 1987 and must have incorporated an aperture (typically a glazed aperture) of a size at least equal to that of the Pyroplex air transfer grille intended for installation. Failure to satisfy these criteria will invalidate the certification.
5. The suitability of the air transfer grille systems in door assemblies not certificated by CERTIFIRE should be established by reference to the certification, test reports or assessments relating to the particular door assembly.

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6. The Pyroplex air transfer grille systems are approved for use in the following sizes:

- 112 mm by 225 mm
- 150 mm by 150 mm
- 150 mm by 300 mm (comprising two 150 mm square modules)
- 225 mm by 225 mm (comprising two 112 mm by 225 mm modules)
- 300 mm by 300 mm (comprising four 150 mm square modules)





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7. The following tables provide the Pryoplex part Nos. and details for each option available.

Fire Grilles

Part No	Dimensions	Fire resistance	Free Airflow
ATG1500	150mm x 150mm	30/60 minutes	153cm ²
ATG1503	150mm x 300mm	30/60 minutes	307cm ²
ATG1300	300mm x 300mm	30/60 minutes	614cm ²
ATG2251	112mm x 225mm	30/60 minutes	161cm ²
ATG2250	225mm x 225mm	30/60 minutes	323cm ²

Face Plates

Part No	Compatibility	Free Airflow
FP1500	ATG1500	150cm ²
FP1503	ATG1503	295cm ²
FP1300	ATG1300	593cm ²
FP2251	ATG2251	159cm ²
FP2250	ATG2250	320cm ²

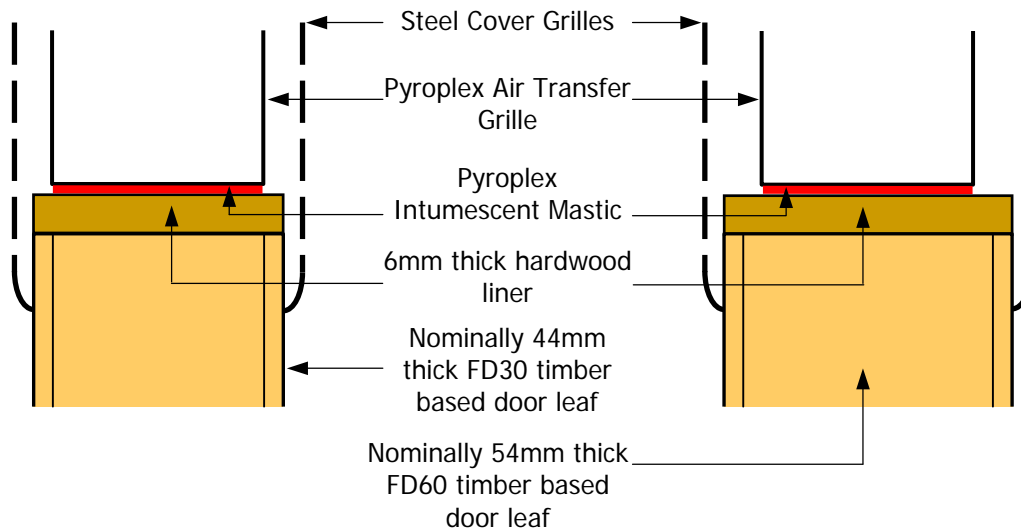
Colour availability – Silver, White and Beige

8. The air transfer grille systems shall be installed and fixed in accordance with the manufacturer's instructions.

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9. Where the air transfer grille systems are installed into doorsets or plasterboard faced partitions, the aperture shall first be framed with a 6 mm thick hardwood timber liner. Partitions requiring 60 minutes integrity performance require an additional two strips of 11 mm wide by 1 mm thick Pyroplex graphite based intumescent seals fitted around their perimeter before installation.



10. Where the air transfer grille systems are to be fitted into masonry walls the timber liner is not required providing that the perimeter of the aperture is uniform.
11. In all applications the air transfer grill systems shall be bedded on to a continuous bead of Pyroplex intumescent mastic.
12. In all applications the air transfer grill systems shall be installed no closer than 150 mm to the floor lever and no higher than 1850 mm.
13. The approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number (i.e No. CF 549) and application where appropriate.

Further Information

Further information regarding the details contained in this certificate may be obtained from Pyroplex Limited (Tel: 01905 795432).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).