



CERTIFICATE OF APPROVAL

No CF 5374

This is to certify that, in accordance with
 TS00 General Requirements for Certification of Fire Protection Products
 The undermentioned products of

GSG METAL INDUSTRIES LLC

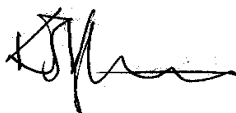
Al Qusais Industrial Area 1, Dubai, UAE
Tel: +971 4 258 3879

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
GSG Fire Rated Doors –
45 minutes performance

TECHNICAL SCHEDULE
TS12 Hinged or Pivoted Fire
Resisting Pedestrian Type
Doorsets with Metallic Leaves
and Frames

Signed and sealed for and on behalf of CERTIFIRE



Sir Ken Knight
 Chairman
WCL Impartiality Committee



Paul Duggan
 Certification Manager
Warrington Certification Ltd



Issued: 29th September 2015
 Valid to: 28th September 2020



CERTIFICATE No CF 5374

GSG METAL INDUSTRIES LLC

GSG FIRE RATED DOORSETS

1. This approval relates to the use of the above doorsets in providing fire resistance of up to 45 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors will meet the relevant requirements of BS 9999 for fire resisting doorsets, for periods of up to 45 minutes (dependant upon design limitations) when used in accordance with the provisions therein.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
3. The doors are approved on the basis of:
 - i) Initial type testing (reported under reference WF Test Report No. 351326)
 - ii) A design appraisal against TS12.
 - iii) Certification of quality management system to ISO 9001: 2008.
 - iv) Inspection and surveillance of factory production control.
 - v) Audit testing as defined in TS12.
4. The doorsets comprise steel door leaves hung within steel frames.
5. This approval is applicable to complete doorsets only.
6. This approval is applicable to single-acting, single and double-leaf, latched (and bolted for double-leaf variants) doorsets at leaf dimensions up to those given in Table 1.
7. Hardware items, including closing devices, shall be CERTIFIRE approved or otherwise as specified in the data sheet.
8. The doorsets shall be mechanically fixed to wall constructions having a fire resistance of at least the same period as the doorset.
9. This certificate does not include any approval relating to the mechanical requirements of the doorsets specified in TS12.
10. Doorsets shall be single-acting, single or double leaf. Double-acting doorsets are not included within the scope of this assessment. Side and overpanels are not included within the scope of approval.

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GSG FIRE RATED DOORSETS

Table 1. Maximum Permitted Door Leaf Dimensions

Doorset Configuration	Integrity (mins)	Maximum Height (mm)	Maximum Width (mm)	Subject to Maximum Area of (m ²)
SASL (latched only)	45	2349	1075	2.53
SADL (active leaf latched only, inactive leaf bolted top and bottom)	45	2349	1075	2.53

*Note:

Double-leaf doorsets may incorporate door leaves of unequal width, provided that the width of the smaller door leaf is no less than 50% of the larger door leaf

Double-leaf doorsets to include astragals to a minimum of one face

11. Labels to the CERTIFIRE design referencing GSG METAL INDUSTRIES LLC, CERTIFIRE and CERTIFIRE Ref. No. CF5374 shall be affixed to each door in the prescribed position.
12. This approval relates to on-going production. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name and mark together with the CERTIFIRE Certificate number (CF5374) and application where appropriate.

GSG FIRE RATED DOORSETS CF5374 DATA SHEET

1. General

This doorset has been fire tested and is certified by CERTIFIRE as being capable of providing fire resistance of up to 45 minutes integrity as defined in BS 476: Part 22: 1987, when installed in accordance with the following conditions.

In recognition of this, the leaf carries a prefixed label on the top or hanging edge of the door, issued under the terms of the CERTIFIRE scheme. This label uniquely identifies the door leaf, the manufacture of which complies with BS: ISO 9001:2000 for quality systems and is subject to on-going surveillance. This label shall not be removed.

It is emphasised that the certification is conditional upon the following instructions being complied with in their entirety. Failure to do so will invalidate this approval and may jeopardise the fire performance of the door. Door assemblies supplied pre-fitted with components by GSG METAL INDUSTRIES LLC may be considered to meet the requirements in respect of those items.

The doorset shall not be altered or modified in any way nor should the supplied hardware be changed, removed or additional items (not specified) fitted. To do this may invalidate the certification.

2. Door Leaf Dimensions

The doorsets may be used in single-acting, single or double-leaf, latched or unlatched, metal framed, metal leaf configurations. The doorsets will be of mild/galvanised mild steel construction. The maximum door leaf dimensions are given in Table 1.

Table 1. Maximum Permitted Door Leaf Dimensions

Doorset Configuration	Integrity (mins)	Maximum Height (mm)	Maximum Width (mm)	Subject to Maximum Area of (m²)
SASL (latched only)	45	2349	1075	2.53
SADL (active leaf latched only, inactive leaf bolted top and bottom)	45	2349	1075	2.53

*Note:

Double-leaf doorsets may incorporate door leaves of unequal width, provided that the width of the smaller door leaf is no less than 50% of the larger door leaf

Double-leaf doorsets to include astragals to a minimum of one face



3. Supporting Construction

The door assemblies are approved to be installed into reinforced concrete, masonry or plasterboard clad steel or timber stud partitions (for up to 45 minutes fire resistance) with a fire resistance at least equal to that of the doorset to be installed.

Any plasterboard partition shall have proven its ability to provide the required fire performance when incorporating a steel doorset of similar construction. The steel studs surrounding the opening within the partition shall be lined with plasterboard or calcium silicate based board.

Any gaps between the door frame and the supporting construction should be infilled with a fire stopping material, suitable for the application. Alternatively, when adjustable frames are used, the cloaking channels may be considered suitable for closing any gaps.

4. Installation

Frame jambs fixed at 500 mm centres. Head members fixed at 500 mm centres.

For masonry or concrete, doorset to be installed using steel anchor bolts.

For plasterboard wall assemblies, doorset to be installed using minimum No. 10 steel woodscrews.

It is recommended that CERTIFIRE certificated doorsets are installed by the manufacturer, by his authorised agent under the manufacturers approved quality management system or by a FIRAS accredited installer of fire resisting metal doorsets. The appropriate label shall be applied by the installer.

5. Overpanel/Sidepanel

Overpanels and side panels are not approved under the scope of this Certificate

6. Glazed Apertures

All apertures to be factory cut and prepared by GSG METAL INDUSTRIES LLC. **No site cutting of apertures permitted.**

The permissible maximum aperture dimensional limits assessed for a door leaf may be shared between glazed apertures and louvers however the total combined area must not exceed the maximum specified.

7. Seals

Any seals shall be CERTIFIRE approved for use on uninsulated steel doorsets.

8. Hinges

Hinges shall be CE Marked for use of fire resisting steel doors.



9. **Lock and Latches**

Locks and latches shall be CE Marked for use on fire resisting steel doors and of the relevant Grade.

Alternative locks/latches which have been CERTIFIRE approved for use in steel doorsets are deemed to be suitable for use.

Additionally, alternative locks comprising all metallic components may be utilized on the basis that the doors covered under this scope are approved in the unlatched configuration.

No restriction on type of metallic handles.

10. **Self Closing Devices**

All doorsets shall be fitted with a face fixed surface mounted, concealed overhead door closer or a floor pivot closer. A self-closing device may be required to be fitted to satisfy fire regulations and if fitted shall be a CERTIFIRE approved (for MM applications) and CE Marked product for the required application and door type. **Note: closers with mechanical hold-open mechanisms are not permitted to be used.**

11. **Bolts**

Flush bolts or shoot bolts of all steel construction may be fitted to the door leaves for periods of up to 45 minutes. For double-leaf doorsets, the inactive leaf must incorporate fully engaged flushbolts or shoot bolts (fitted top and bottom of the leading edge).

12. **Miscellaneous**

Metallic signage labels, kick plates or push plates may be mechanically fixed to either face of the door leaf.

13. **Further Information**

Further information regarding the details contained in this data sheet may be obtained from GSG METAL INDUSTRIES LLC. (Tel: +971 4 258 3879), info@gsgindustries.com

Further information regarding the CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: + 44 (0)1925 646777).

