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## CERTIFICATE OF APPROVAL

### No CF 344

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

## THRISLINGTON GULF

PO Box 9547, Mussafah Industrial Area,  
Abu Dhabi, United Arab Emirates  
Tel: + (971) 2 5511820, Fax: + (971) 2 5511821

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

Thrislington Gulf  
Stiffened, Mild Steel Doorsets

### 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 - Management Council

Issued: 24<sup>th</sup> March 2004  
Reissued: 29<sup>th</sup> March 2010  
Valid to: 30<sup>th</sup> April 2011

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Only valid when authentic  
Seal is in place  
CERTIFIRE



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## CERTIFICATE No CF 344 THRISLINGTON GULF

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### THRISLINGTON GULF – Stiffened, Mild Steel Doorsets

1. This approval relates to the use of the above doorsets in providing fire resistance of up to 240 minutes integrity as defined in BS 476: Part 22: 1987. Subject to the undermentioned conditions, the doors would be expected to meet the relevant requirements of BS 5588 for fire resisting doorsets, for periods of up to 240 minutes (dependant upon design limitations) when used in accordance with the provisions therein.
2. The doors are approved on the basis of:
  - i) Initial type testing
  - ii) Audit testing at the frequency specified in TS12
  - iii) A design appraisal against TS12
  - iv) Production surveillance under ISO 9001: 2008
3. The doorsets comprise door leaves with metallic leaves, for use with metallic frames (code MM).
4. This approval is applicable to complete doorsets only.
5. This approval is applicable to single-acting, single and double-leaf, latched, MM type doorsets at leaf dimensions up to those given in Table 1 and Figure 1.
6. Hardware items, including closing devices, shall be CERTIFIRE approved or otherwise as specified in the data sheet.
7. The doorsets shall be mechanically fixed to wall constructions having a fire resistance of at least the same period as the doorset.
8. This certificate does not include any approval relating to the mechanical requirements of the doorsets specified in TS 12.
9. Labels to the CERTIFIRE design referencing Thrislington Gulf, CERTIFIRE and CERTIFIRE Ref. No. CF344 and the relevant fire resistance shall be affixed to each door in the prescribed position.
10. 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 and application where appropriate.

**CERTIFICATE No CF 344  
THRISLINGTON GULF**

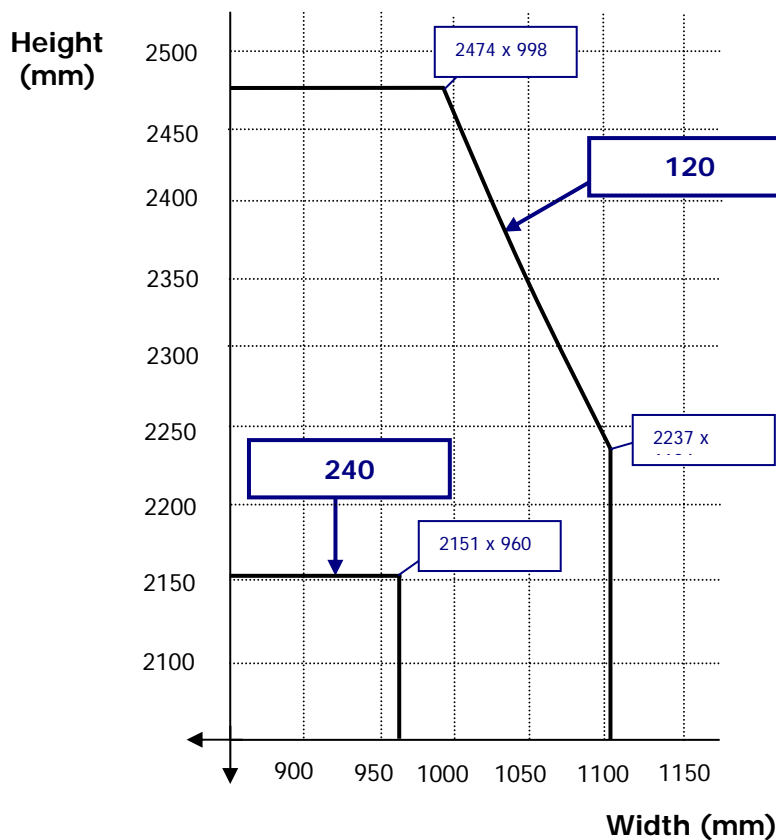
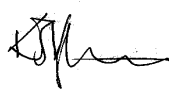
**THRISLINGTON GULF – Stiffened, Mild Steel Doorsets**

**Table 1. Maximum Permitted Door Leaf Dimensions  
For Single-Acting, Single and Double-Leaf Doorsets**

Maximum Integrity Performance (minutes)	Max. Leaf Height (mm)	Max Leaf Width (mm)	Max Leaf Area (m <sup>2</sup> )
120	2474 (at 998 wide)	1104 (at 2237 high)	2.47
240	2151	960	2.06

**Note:** There are no dimensional limitations when doorsets are reduced in size from the aforementioned dimensions.

**Figure 1. Maximum Permitted Door Leaf Dimensions  
For Single-Acting, Single and Double-Leaf Doorsets**



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**CERTIFICATE OF APPROVAL**  
**No CF 469**

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

**THRISLINGTON GULF**

**PO Box 9547, Mussafah Industrial Area,  
Abu Dhabi, United Arab Emirates  
Tel: + (971) 2 5511820, Fax: + (971) 2 5511821**

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**

**Thrislington Gulf  
Paper Honeycomb Cored  
Mild Steel Doorsets**

**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 - Management Council

Issued: 10<sup>th</sup> January 2007  
Valid to: 9<sup>th</sup> January 2011

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Only valid when authentic  
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## **CERTIFICATE No CF 469 THRISLINGTON GULF**

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### **THRISLINGTON GULF PAPER HONEYCOMB CORED MILD STEEL DOORSETS**

1. This approval relates to the use of the above doorsets in providing fire resistance of up to 240 minutes integrity as defined in BS 476: Part 22: 1987.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section D 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.
  - ii) A design appraisal against TS12.
  - iii) Certification of quality management system to ISO 9001: 2000.
  - 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 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.

A handwritten signature in black ink, appearing to be "K. J. ...", located below the "Signed" text.



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**CERTIFICATE No CF 469**  
**THRISLINGTON GULF**

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**THRISLINGTON GULF PAPER HONEYCOMB CORED MILD STEEL DOORSETS**

Table 1. Maximum Permitted Door Leaf Dimensions

<b>Integrity (mins)</b>	<b>Maximum Height (mm)</b>	<b>Maximum Width (mm)</b>	<b>Subject to Maximum Area of (m<sup>2</sup>)</b>
120	2798	1248	2.79
240	2475	1104	2.48

10. Doorsets shall be single-acting, single or double leaf. All doorsets shall be latched and for double-leaf doorsets the inactive leaf shall be flush bolted.
11. Labels to the CERTIFIRE design referencing Thrislington Gulf, CERTIFIRE and CERTIFIRE Ref. No. CF 469 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 (CF 469) and application where appropriate.

A handwritten signature in black ink, appearing to be "K. J. ...".