
CERTIFICATE OF APPROVAL

No CF 418

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

ETEX BUILDING PERFORMANCE LTD

Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NE
Tel: 0800 145 6033

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

Durasteel Hinged and Sliding
Doorsets

TECHNICAL SCHEDULE

TS12 Fire Resisting Pedestrian
Type Doorsets with Metallic
Leaves and Frames

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification



Paul Duggan
Certification Manager



Issued: 13th April 2006
Reissued: 13th December 2017
Valid to: 12th December 2022

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CERTIFICATE No CF 418

ETEX BUILDING PERFORMANCE LTD

Durasteel Hinged and Sliding 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 will meet the relevant requirements of BS 9999 for fire resisting doorsets, for periods of up to 240 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
 - ii) Audit testing at the frequency specified in TS12
 - iii) A design appraisal against TS12
 - iv) Inspection and surveillance of factory production control
 - v) Production surveillance under ISO 9001:2008
4. The doorsets comprise door leaves with metallic leaves, for use with metallic frames (code MM).
5. This approval is applicable to complete doorsets only.
6. This approval is applicable to Durafire DD single-acting, single and double-leaf, latched (MM) doorsets at leaf dimensions up to those given in Table 1 and Durafire DD single and double-leaf sliding (MM) doorsets at leaf dimensions up to those given in Table 2.
7. Hardware items, including closing devices, shall be CERTIFIRE approved for use with metal (MM) doorsets 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 TS 12.
10. Labels to the CERTIFIRE design referencing Etex Building Performance Ltd, CERTIFIRE and CERTIFIRE Ref. No. CF418 and the relevant fire resistance shall be affixed to each door in the prescribed position.

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Durasteel Durafire DD Hinged Doorsets

Table 1. Maximum Permitted Door Leaf Dimensions with 28mm Channel Bindings

| Configuration | Period of Fire Resistance (minutes) | Maximum Door Leaf Height (mm) | Maximum Door Leaf Width (mm) |
|--|-------------------------------------|-------------------------------|------------------------------|
| DD 120 single-acting, single-leaf - latched | 120 | 2275 | 1075 |
| DD 120 single-acting, double-leaf - latched | 120 | 2275 | 1075 |
| DD 120 single-acting, single-leaf – three way shoot bolt mechanism | 120 | 2275 | 1075 |
| DD 120 single-acting, double-leaf – three way shoot bolt mechanism on one leaf with shoot bolts to inactive leaf | 120 | 2275 | 1075 |
| DD 240 single-acting, single-leaf – three way shoot bolt mechanism | 240 | 2275 | 1075 |
| DD 240 single-acting, double-leaf – three way shoot bolt mechanism on one leaf with shoot bolts to inactive leaf | 240 | 2275 | 1075 |

DD240 door leaves satisfy the mean temperature rise requirement of BS 476: Part 22: 1987 for 60 minutes.

Table 2. Maximum Permitted Door Leaf Dimensions with 28mm Channel Bindings when Installed in Durasteel Partition

| Configuration | Period of Fire Resistance (minutes) | Maximum Door Leaf Height (mm) | Maximum Door Leaf Width (mm) |
|---|-------------------------------------|-------------------------------|------------------------------|
| DD 120 single-acting, single-leaf – two hinges and three way shoot bolt mechanism | 60 | 2275 | 1075 |
| DD 120 single-acting, single-leaf – three hinges and three way shoot bolt mechanism | 240 | 2275 | 1075 |

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Durasteel Durafire DD Hinged Doorsets

Table 3. Maximum Permitted Door Leaf Dimensions with 40mm Channel Bindings

| Configuration | Period of Fire Resistance (minutes) | Maximum Door Leaf Height (mm) | Maximum Door Leaf Width (mm) |
|--|-------------------------------------|-------------------------------|------------------------------|
| DD 120 single-acting, single-leaf - latched | 240 | 2500 | 1050 |
| DD 120 single-acting, double-leaf - latched | 240 | 2500 | 1050 |
| DD 120 single-acting, single-leaf – three way shoot bolt mechanism | 240 | 3000 | 1100 |
| DD 120 single-acting, double-leaf – three way shoot bolt mechanism on one leaf with shoot bolts to inactive leaf | 240 | 3000 | 1100 |
| DD 240 single-acting, single-leaf – three way shoot bolt mechanism | 240 | 2400 | 1100 |
| DD 240 single-acting, double-leaf – three way shoot bolt mechanism on one leaf with shoot bolts to inactive leaf | 240 | 2400 | 1100 |
| DD 240 single-acting, double-leaf – three way shoot bolt mechanism on one leaf with shoot bolts to inactive leaf | 120 | 3000 | 1100 |

DD240 door leaves satisfy the mean temperature rise requirement of BS 476: Part 22: 1987 for 60 minutes.

Durasteel Durafire DD 240 Sliding Doorsets

| Configuration | Period of Fire Resistance (minutes) | Maximum Door Leaf Height (mm) | Maximum Door Leaf Width (mm) |
|---------------|-------------------------------------|-------------------------------|------------------------------|
| Single-leaf | 240 | 5000 | 5000 |

Table 4. Maximum Permitted Door Leaf Dimensions

Note: There are no dimensional limitations when doorsets are reduced in size from the above dimensions. Under no circumstances must either the maximum height or maximum width be exceeded without separate CERTIFIRE approval.

11. 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.