

CLASS 2

Building Product Information Sheet

Product name:

Hallmark Fire Doors

Product line:

Hallmark Europa Fire Doors

Product description and its intended use:

Hallmark Europa Fire Doors, for use as fire rated doorsets with a maximum achievable fire rating of up to 240min (Integrity) and a 60min Insulation rating where required. Manufactured with E-Core® solid vermiculite mineral core. Available as single or double doors, hinged or double action pivot.

Hallmark Europa Fire Doors are custom fabricated to the requirements of each project including door leaf sizes, Fire Resistance Rating (FRR), smoke seals, timber or steel door frame, customized door leaf facings, leaf edge options, vision panel, vision panel beading options, side lights, overpanels, ventilation grills and acoustic rating.

Product identifier:

HFE30HS - Hallmark Europa, 30 minute, hinged single door

HFE30DAS - Hallmark Europa, 30 minute, pivot (double action) single door

HFE30HD - Hallmark Europa, 30 minute, hinged double door

HFE30DAD - Hallmark Europa, 30 minute, pivot (double action) double door

HFE60HS - Hallmark Europa, 60 minute, hinged single door

HFE60DAS - Hallmark Europa, 60 minute, pivot (double action) single door

HFE60HD - Hallmark Europa, 60 minute, hinged double door
HFE60DAD - Hallmark Europa, 60 minute, pivot (double action) double door
HFE90HS - Hallmark Europa, 90 minute, hinged single door
HFE90DAS - Hallmark Europa, 90 minute, pivot (double action) single door
HFE90HD - Hallmark Europa, 90 minute, hinged double door
HFE90DAD - Hallmark Europa, 90 minute, pivot (double action) double door
HFE120HS - Hallmark Europa, 120 minute, hinged single door
HFE120DAS - Hallmark Europa, 120 minute, pivot (double action) single door
HFE120HD - Hallmark Europa, 120 minute, hinged double door
HFE120DAD - Hallmark Europa, 120 minute, pivot (double action) double door
HFE180HS - Hallmark Europa, 180 minute, hinged single door
HFE180HD - Hallmark Europa, 180 minute, hinged double door
HFE240HS - Hallmark Europa, 240 minute, hinged single door
HFE240HD - Hallmark Europa, 240 minute, hinged double door

Refer to www.hallmarkgroup.co.nz/fire-doors

Place of manufacture:

New Zealand

Legal and trading name of the manufacturer(s):

Hallmark Group Limited

Address for service: 355 Flaxton Road, Rangiora, Canterbury 7400, NZ

Website: www.hallmarkgroup.co.nz

Email address: compliance@hallmarkgroup.co.nz

Phone Number: 0800 846 237

NZBN: 9429037332532

Relevant Building Code clauses:

B2 DURABILITY: performance clause B2.3.1 (b)

C3 FIRE AFFECTING AREAS BEYOND FIRE SOURCE: functional requirement clause C3.1, C3.6, C3.7, and C3.9 to C3.1

C4 MOVEMENT TO A PLACE OF SAFETY: functional requirement clause C4.2, performance clause C4.3, C4.4, and C4.5

C5 ACCESS AND SAFETY FOR FIRE FIGHTING OPERATIONS: functional requirement clause C5.6 and C5.8

D1 ACCESS ROUTE: performance clauses D1.3.1(b) (if used for external door application), D1.3.1 (c) and D1.3.4(f)

E2 EXTERNAL MOISTURE: performance clauses E2.3.2 and E2.3.7 (if used for external applications in protected applications.)

F2 HAZARDOUS BUILDING MATERIALS: performance clauses F2.3.1, and for doors with glazing also F2.3.2 and F2.3.3

G6 AIRBORNE AND IMPACT SOUND: functional requirement clause G6.2, for doors with acoustic requirements.

Statement of how the building product is expected to contribute to compliance:

B2 DURABILITY - B2.3.1 (b):

- Hallmark Doors have a durability beyond 15 years when correctly installed and maintained, based on historic use in-market for more than 30 years.
- Hallmark Europa Fire Doors, where glazed, contain glass that has been tested and meets the requirements of BS EN 12600:2002 and BS EN 1288 Glass in Building. Determination of the bending strength of glass.
- Hallmark Europa Fire Doors will satisfy the requirements of NZBC, B2 Durability under conditions of use, and Care of Product as detailed by Hallmark Group or otherwise specified within contractual guarantees.

C3 FIRE AFFECTING AREAS BEYOND FIRE SOURCE - C3.1, C3.6, C3.7 and C3.9, &

C4 MOVEMENT TO A PLACE OF SAFETY: C4.2, C4.3, C4.4 and C4.5

C5 ACCESS AND SAFETY FOR FIRE FIGHTING OPERATIONS

- In accordance with NZBC C/AS2 clause 4.16 and Appendix C clause C6.1.1, Hallmark Europa Fire Doors comply with NZS 4520 and are tested to AS 1530.4. Fire doors are supplied with Product Labels/ID tags which comply with NZS 4520, on which the Fire Resistance Rating (FRR) and door set numbers are detailed. In accordance with NZS 4520, Hallmark Group maintains a register of door sets, and issues an installer's declaration with each door set.
- Hallmark Europa doors to be fitted with smoke seals in accordance with NZBC C/AS2 clause 4.16.2 b) and Appendix C C6.1.2.
- If required, glazing to Hallmark Europa Fire Doors is in accordance with NZBC C/AS2 paragraph 4.2, uninsulated and insulated vision comply with NZS 4520.
- Hallmark Europa Fire Doors are to be self-latching, in accordance with NZS 4520. The selection of hardware to meet these requirements is not the responsibility of Hallmark Group but Hallmark Group makes available a list of commonly specified and approved hardware for use with its fire door set products.
- Hallmark Europa Fire Doors are to be self-closing in accordance with NZBC C/AS2 Appendix C, clause C6.1.4 and C6.1.5. If door is located on an escape route, a self-closing device to be installed and adjusted to meet maximum frictional forces requirements of NZBC C/AS2 Appendix C, clause 6.1.3. The selection of hardware to meet these requirements is not the responsibility of Hallmark Group but Hallmark Group makes available a list of commonly specified and approved hardware for use with its fire door set products.
- Doors subdividing escape routes, to be designed in accordance with NZBC C/AS2 clause 3.15, including door closers and latching, locking devices, direction of opening, degree of opening, vision panels, hold open devices, delayed action unlocking devices and panic fastenings. The selection of hardware to meet these requirements is not the responsibility of Hallmark Group but Hallmark Group makes available a list of commonly specified approved hardware for use with its fire door set products.

D1 ACCESS ROUTES: D1.3.1 b) c) and D1.3.4 f)

- Hallmark Europa Fire Doors can be used within as accessible route where design consideration is given to compliance to NZBC D1/AS1, paragraph 7.0.
- Doors to be installed with door handles that meet the requirements of NZBC D1/AS1 clause 7.0.5. The selection of hardware to meet these requirements is not the

responsibility of Hallmark Group but Hallmark Group makes available a list of commonly specified approved hardware for use with its fire door set products.

E2 EXTERNAL MOISTURE: E2.3.2 and E2.3.7

- Hallmark Europa Fire Doors have not been tested for water ingress in exterior installations and we make no statement as to its suitability under NBCC E2 “External Moisture”. All exterior doors should be given as much shelter as permissible and be fitted with appropriate flashing systems.

F2 HAZARDOUS BUILDING MATERIALS: F2.3.1, F2.3.2 and F2.3.3

- Hallmark Doors are manufactured using inert, nontoxic materials
- Hallmark Europa Fire Doors contain no Asbestos, Crystalline Silica or other inorganic fibers.
- If required, Hallmark Europa Fire Door vision panels, side lights and overpanels, glazing complies with NZS 4223.3.

G6 AIRBORNE AND IMPACT SOUND: G6.2

- If required, acoustic seals are installed to Hallmark Europa Fire Door to achieve STC ratings based on parameters shown on datasheets at www.hallmarkgroup.co.nz/acoustic-doors.

RELEVANT STANDARDS

- NZS 4520:2010 Fire resistant doorsets
- AS 1530.4:2005 & 2014 Methods for fire tests on building materials, components and structures. Part 4: Fire resistance tests of elements of building construction.
- NZS 4223.3: 2016 Code of practice for glazing in buildings Part 3: Human impact safety requirements
- BS EN 12600:2002 Glass in Building. Pendulum test. Impact test method and classification for flat glass.
- BS EN 1288 Glass in Building. Determination of the bending strength of glass.

Limitations on the use of the building product

- Hallmark Europa Fire Doors are not suitable for unprotected exterior use where they are exposed to natural elements such as direct sun or rain, except Electrogalvanized steel leaf facings which are suitable for sheltered and full exterior applications.
- Hallmark Europa Fire Doors are not suitable for use in saunas, steam rooms, smoke houses etc.
- Hallmark Europa Fire Doors are only suitable for use with wall construction types as listed on individual door data sheets.
- Hallmark Europa Fire Doors must be used in correct conjunction with wall type, jamb type and door type systems specified at design phase, and are not interchangeable with other supplier systems or componentry.

Design requirements that would support the use of the building product:

- Hallmark Europa Fire Doors are designed for commercial and residential buildings, and their associated ancillary and outbuildings.
- Hallmark Europa Fire Doors maximum door leaf heights and widths, required door leaf thicknesses are stated on the selected door data sheets.
- Door frames, timber or steel, to be in accordance with options states on the selected door data sheets. Only steel frames are available for doors 90FRR or more.
- Door leaf facing options and leaf edge options to be in accordance with options stated on the selected door data sheets.
- Design door vision panels, side lights and overpanel configuration, maximum dimensions, glass type and glazing bead type in accordance with parameters stated

on the selected door data sheets. Side lights and overpanels are not available for doors 90FRR or more.

- Ventilation grilles to be IFD (Kilargo) or LVH (Lorient) intumescent grilles, configuration and maximum dimensions to be in accordance with parameters stated on the selected door data sheets. Not suitable for exterior doors, smoke control door sets or 180FRR or 240FRR door sets.
- All door hardware used on conjunction with Hallmark Europa Fire Doors to be Hallmark Group approved hardware. The selection of hardware is not the responsibility of Hallmark Group but Hallmark Group makes available a list of commonly specified approved hardware for use with its fire door set products.
- For compliance fire signage to be installed in conjunction with fire doors in accordance with NZBC C/AS2, paragraph 3.16 and F8/AS1, paragraph 5.2.
- Refer to www.hallmarkgroup.co.nz/fire-doors for Hallmark Europa Fire Door data sheets.

Installation requirements:

- Inspect products prior to installation to ensure they are free from defects and damage.
- Hallmark Fire Doors must be installed in accordance with Hallmark requirements. Refer to www.hallmarkgroup.co.nz/fire-door-installation.
- Doors not to be delivered to site until relative humidity levels are acceptable. Doors manufactured with moisture content 10-12%.
- Opening to be prepared as per Hallmark Group Installation Document relating to correct configuration and wall system.
- Appropriate packers and Backfilling required to ensure compliance, generally maximum 10mm think, see appropriate Installation Document
- Fix Jamb as per appropriate requirements, see appropriate Installation Document
- Check all operational clearance;
 - Leaf to Jamb Clearance (head and stiles): Mean 3mm
 - Meeting Stile, leaf to leaf: Mean 4mm
 - Floor Clearance, door leaf to any floor coverings: Max 10mm
- Where Door stops are supplied loose (Timber Jamb System) do not fit until all perimeter seals and hardware is installed and operating. Set and fix door stop ensuring the door latches freely.
- Hallmark Group issues an installer's declaration with each door set. The installer's declaration is to be completed by the installer post installation and fitting of

hardware, and returned as confirmation of compliance with NZS 4520, prior to Hallmark Group supplying of Fire/ID tag labels.

Maintenance requirements:

- Hallmark Fire Doors should be weekly inspected and maintained to ensure proper functionality.
- Visual check for damage and operation.
- Ensure closer and lockset are operational and correctly adjusted.
- Ensure Fire Doors are not held open by any mechanism or object that will prevent the door from closing or operating in the event of a fire.
- All seals, hinges, closers, latch set and other hardware should be checked annually for proper fit and operation, and to ensure all screws and fixings remain tight.
- Operational clearances should be checked annually to ensure no impairment to the Fire Door functionality.
- Vision panels can be cleaned with a general glass cleaning solution. No abrasive materials or products should be used as these will cause damage to glass surfaces.
- Fire Door surfaces, jambs, seals etc. should be regularly cleaned with warm water and cloth. No abrasive products should be used as these can cause damage to painted, stained/lacquered or finished surfaces.

Is the building product/building product line subject to warning or ban under section 26?:

No

Date: 31 / 10 / 23