

CLASS 2

Building Product Information Sheet

Product name:

Hallmark Fire Doors

Product line:

Hallmark Futura Fire Doors

Product description and its intended use:

Hallmark Futura Fire Doors, for use as fire doors up to 60min fire resistance rating (FRR). Manufactured with a homogenous solid timber particleboard core. Available as single or double doors, hinged or double action pivot.

Hallmark Futura Fire Doors are custom fabricated to meet the specific requirements of each project. This includes customized door leaf sizes, FRR rating, smoke seals, timber jamb designs, customized door leaf facings, leaf edge options, vision panel and beading, side lights, overpanels, ventilation grills and acoustic rating.

Product identifier:

HFF30HS - Hallmark Futura, 30 minute, hinged single door

HFF30DAS - Hallmark Futura, 30 minute, pivot (double action) single door

HFF30HD - Hallmark Futura, 30 minute, hinged double door

HFF30DAD - Hallmark Futura, 30 minute, pivot (double action) double door

HFF60HS - Hallmark Futura, 60 minute, hinged single door

HFF60DAS - Hallmark Futura, 60 minute, pivot (double action) single door

HFF60HD - Hallmark Futura, 60 minute, hinged double door

HFF60DAD - Hallmark Futura, 60 minute, pivot (double action) 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 (c)

C3 FIRE AFFECTING AREAS BEYOND FIRE SOURCE: functional requirement clause C3.1

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

H1 ENERGY EFFICIENCY: performance clauses H1.3.1, H1.3.2E and H1.3.3 (if used for external applications in protected applications.)

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

B2 DURABILITY - B2.3.1 (c):

- Hallmark Doors have a durability beyond 5 years when correctly installed and maintained, based on historic use in-market for more than 30 years.
- Hallmark Futura 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 Futura 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 &

C4 MOVEMENT TO A PLACE OF SAFETY: C4.2, C4.3 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 Futura Fire Doors comply with NZS 4520 and are tested to AS 1530.4 & BS 476.22. 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 Futura doors are supplied with and to be fitted with smoke seals in accordance with NZBC C/AS2 clause 4.16.2 b) and Appendix C C6.1.2.
- Where required, glazing to Hallmark Futura Fire Doors is in accordance with NZBC C/AS2 paragraph 4.2, uninsulated and insulated vision panels comply with NZS 4520.
- Hallmark Futura 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 approved hardware for use with its fire door set products.
- Hallmark Futura Fire Doors are to be self-closing in accordance with NZBC C/AS2 Appendix C, clause C6.1.4 and C6.1.5 and NZS 4520. 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 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 Futura 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 Futura 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 Futura Fire Doors contain no Asbestos, Crystalline Silica or other inorganic fibers.
- If required, Hallmark Futura 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 Futura Fire Door to achieve STC ratings based on parameters shown on datasheets at www.hallmarkgroup.co.nz/acoustic-doors.

H1 ENERGY EFFICIENCY: H1.3.1, H1.3.2E and H1.3.3

- R-Value or Thermal Insulation Rating of Hallmark Futura Fire Doors:
 - FD30 System: 0.50Km²/W
 - FD60 System: 0.59Km²/W

RELEVANT STANDARDS

- NZS 4520:2010 Fire resistant doorsets
- AS1530.4:2005 Methods for fire tests on building materials, components and structures. Part 4: Fire resistance tests of elements of building construction.
- BS 476 Pt.22: Fire Tests on Building Materials and Structures, Method for determination of fire resistance of non-loadbearing elements of construction

- BS EN 1634-1 Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for doors and shutter assemblies and openable windows
- NZS4223.3: 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 Futura Fire Doors are to be used in conjunction with the correctly specified jamb system supplied by Hallmark Group. Components are not interchangeable with other supplier materials or components.
- Hallmark Futura 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 Futura Fire Doors are not suitable for use in saunas, steam rooms, smoke houses etc.
- Hallmark Futura Fire Doors are only suitable for use with wall construction types as listed on individual door data sheets.
- Hallmark Futura Fire Doors are not suitable where a fire rating above 60 minutes is required (use Hallmark Europa Fire Doors for fire doors above 60 minute rating)

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

- Hallmark Futura Fire Doors are designed for commercial and residential buildings, and their associated ancillary and outbuildings.

- Hallmark Futura Fire Doors maximum door leaf heights and widths, required door leaf thicknesses are stated on the selected door data sheets.
- Door jamb/frames, to be in accordance with options stated on the selected door data sheets.
- Door leaf facing options and leaf edge options to be in accordance with options states 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.
- 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 or smoke control door sets.
- All door hardware used on conjunction with Hallmark Futura 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 Futura 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