

Product Technical Statement



Supplier | Stellaria NZ Ltd
Contact | PO Box 89
Cambridge 3434
Phone | +64 27 220 7046
Email | robyn@macarch.co.nz
Website | www.stellaria.co.nz

Product: Internorm Joinery

Description: Internorm windows and doors are manufactured in Austria and is Europe's leading window brand.

Model HF410 is a timber/aluminium system;
Model KF410 is a UPVC or UPVC/aluminium system.

Internorm windows and doors are available with single, double or triple glazing, and with safety glass to comply with the requirements of the Building Code.

An overview of various configurations can be found at <https://www.internorm.com/uk-en/internorm/>

Scope of Use: This Product Technical Statement covers:

- the range of Internorm windows and doors models HF410 and KF410 with:
 - Inward opening single sash turn/tilt, turn only and tilt only windows and doors
 - Fixed glazing
 - up to 2500mm x 1200mm.
- for use in all wind zones up to including Extra High (as defined in NZS3604).

Limitations: This Product Technical Statement is applicable for Internorm joinery models KF410 and HF410 up to 2500mm x 1200mm.

Technical Literature: Internorm_windows_doors_UK.pdf

Graz University of Technology Report B16.203.039.103EN January 2017

ift Rosenheim Report 12-002509-PR01 March 2014

When used as described above, Internorm Joinery meets the following relevant performance requirements of the New Zealand Building Code

Relevant Code Clause:	Basis of Compliance:	Related documents:	Comments:
Structure B1.3.1	Alternative solution compared with acceptable	E2/AS1; NZS4211; EN12210	The structural performance of Internorm windows and doors has been tested and certified to EN12210, for wind pressures in excess of what is required for NZS4211 for the wind zones stated in the Scope and Limitations sections of this document.
Structure B1.3.2	Alternative solution compared with acceptable	E2/AS1; NZS4211; EN12210	The structural performance of Internorm windows doors has been tested and certified to EN12210, for wind pressures in excess of what is required for NZS4211 for the wind zones stated in the Scope and Limitations sections of this document.
Structure B1.3.3h, j	Alternative solution compared with acceptable	E2/AS1; NZS4211; EN12210	The structural performance of Internorm windows doors has been tested and certified to EN12210, for wind pressures in excess of what is required for NZS4211 for the wind zones stated in the Scope and Limitations sections of this document.
Structure B1.3.4	Alternative solution compared with acceptable	E2/AS1; NZS4211; EN12210	The structural performance of Internorm windows doors has been tested and certified to EN12210, for wind pressures in excess of what is required for NZS4211 for the wind zones stated in the Scope and Limitations sections of this document.
Durability B2.3.1b	Alternative solution compared with acceptable	E2/AS1; NZS4211; EN12210	Model HF410 is a combined timber/aluminium system, where the structural elements are fabricated from I-tec core (thin, phenolic resin-bonded timber laminates and treated with a high water-resistance protective coating). The I-tec core structural elements are protected from the direct weather by aluminium components and weather seals. Model KF410 is a UPVC or combined UPVC/aluminium system, where the structural elements are UPVC. The UPVC is resistant to ultraviolet radiation, and additionally when combined with aluminium, the UPVC is physically protected from UV radiation.
Hazardous building materials F2.3.1	Alternative solution		No harmful gas, liquid, radiation or solid particles are emitted by Internorm wooden windows and doors.
Hazardous building materials F2.3.3	Acceptable Solution	F2/AS1; NZS4223:Part 3	When intended to be installed in a location likely to be subject to human impact Internorm windows and doors are supplied with safety glazing as required by NZS4223:Part3.
Energy efficiency H1.3.1	Acceptable Solution	H1/AS1; NZS4211; EN12207	Internorm windows and doors may be fabricated with single, double or triple glazing as appropriate to satisfy the energy efficiency performance required. Model KF410 have a thermal R-value up to 1.61 m ² K/W; Model HF410 have a thermal R-value of up to 1.56 m ² K/W. Internorm windows have been tested and exceed the minimum air infiltration requirements for air conditioned spaces.
Energy efficiency H1.3.2E (Contributes to)	Acceptable Solution	H1/AS1	Internorm windows may be fabricated with single, double or triple glazing as appropriate to satisfy the energy efficiency performance required. Model KF410 have a thermal R-value up to 1.61 m ² K/W; Model HF410 have a thermal R-value of up to 1.56 m ² K/W.