

Product Technical Statement

Koffman Windows and Doors

Description

The Koffman Windows and Doors are uPVC framed with Profine Kommerling "hot country" formulation. They come in various custom made sizes and opening styles.

They are either white or laminated in various colours. Another option is aluminium clip-on skin on the outside. Glass is double or triple glazed IGU argon filled with low E glass from Glassolutions of Saint Gobain.

The windows and doors have R values (a measure of thermal resistance) which exceed the minimum usually required in New Zealand to meet the requirements of Clause H1-Energy Efficiency.

A full description of range of windows covered by the PTS see

<http://koffman.co.nz/windows/> and for doors see <http://koffman.co.nz/doors/>

Scope of Use

1. The windows and doors are for use in buildings designed within the respective scopes of each of the structural systems (timber, light steel frame and masonry) cited within B1/AS1 and;
2. For buildings within the scope of para 1.1 of E2/AS1.

Compliance statement

Koffman windows will comply with or contribute to compliance with the following provisions of the New Zealand Building Code:

B1 Structure B1.3.1, B1.3.2, B1.3.3 (a, h, j) B1.3.4

B2 Durability B2.3.1 (b) and B2.3.2 (c) for joinery

E2 Weathertightness E2.3.2, E2.3.7

F2 Hazardous Building Materials F2.3.7, F2.3.3

G4 Natural Ventilation G4.3.1 and G4.3.3

G7 Natural Light G7.3.1 and G7.3.2

H1 Energy Efficiency H1.3.1 and H1.3.2E

When specified and installed in accordance with the following conditions and limitations:

1. For wind zones up and including Extra High as defined in NZS3604.
2. Fixings in supporting frames shall be in accordance with E2/AS1 paragraph 9.1.10.8.
3. Installed by a licensed building practitioner in the appropriate licensing class (even if not Restricted Building Work).
4. Calculation of window opening areas for ventilation must be in accordance with G4/AS1.

5. Calculation of window areas for Natural Light must be in accordance with G7/AS1.
6. In areas where people may come into contact with the glass as required by F2.3.3 (with specific areas in buildings and as set out in NZS 4223.3) glazing in accordance with EN 1279-5:2005+A2:2010 (Glass in building. Insulating glass units. Evaluation of conformity) is provided and marked accordingly.
7. R values for thermal calculations are to be those as set out in the web site for the appropriate unit.

Cladding and window interface

1. Details of the installation of the windows is outside of the scope of this PTS but some standard details for common cladding types can be found at <http://koffman.co.nz>
2. Where mechanical flashings are used they are to be in accordance with section 4 of E2/AS1.
3. Flexible flashing tapes must have either a current Product (Codemark) Certificate, Appraisal or Product Technical Statement.

Maintenance

1. Windows frames must be washed down annually with a weak solution of warm water and household detergent. Agents containing organic solvents must be avoided.
2. Stays and other moving parts must be inspected annually and lubricant applied if necessary to maintain ease of operation

Preparation of this Product Technical Statement

This Product Technical Statement has been prepared by John Gardiner FEngNZ of Building Confidence Ltd in accordance with the MBIE Guidance on Product Technical Statements.

More information and contact details

For more information see <http://koffman.co.nz>

Evidence base to support compliance

1. Tested in accordance to NZS 4211 by MOBILNE Laboratorium of Poland (ILAC accredited laboratory for window and door testing).
2. Tested by SKZ – Testing GMBH
<https://www.skz.de/en/information/gbt/1473.Testing-GmbH.html> Test Report No 126398/17 (in accordance with EN 513 (Weatherability) and has a rating of Climate Zone “S” (Severe Climate).
3. Statement of rutile titanium oxide composition of . 8phr issued by Profine Group.
4. Declaration of Performance with EN 1279-5:2005+A2:2010 (Glass in building. Insulating glass units. Evaluation of conformity) dated 5th January 2017 issued by Glassolutions of Saint-Gobain.
5. Profine Material specifications.