

Class 2

REHAU uPVC windows & doors.

Product Disclosure Information Self-Assessment

Version: V.1

Product name	REHAU uPVC windows & doors.
Product line	uPVC exterior joinery that is UV compliant and carries a current NZ BRANZ appraisal.
Product identifier	REHAU Euro S920 slide windows & doors - REHAU Prestige S921 Windows.

Product description

REHAU uPVC Windows and Doors are a range of window and door joinery units for use in residential and light commercial buildings fitted with insulating glass units (IGUs). The joinery units are available with fixed glazing or opening sashes. The opening sash window styles include awning, casement, tilt-and-turn and sliding. Door styles include tilt-and-turn and sliding doors.

The REHAU uPVC Window and Door suites covered by this BPIR are referred to as REHAU Euro-Design Slide S920 and REHAU Prestige-Design S921.

The windows and doors are fabricated in New Zealand by local REHAU window and door fabricators from uPVC profiles manufactured by REHAU AG & Co.

For a full description of all model types and sizes go to <https://www.branz.co.nz/appraisal-codemark-certificates/1018-2018-rehau-upvc-windows-and-doors/>

Relevant building code clauses

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

B2 Durability — B2.3.1 (b, c)

E2 External moisture — E2.3.2, E2.3.7

F2 Hazardous building materials — F2.3.1, F2.3.3

G4 Ventilation — G4.3.1

G7 Natural light — G7.3.1, G7.3.2

H1 Energy efficiency — H1.3.1 (a, b), H1.3.2E

Contributions to compliance

For an exact summary of compliance please refer to BRANZ appraisal with the following link - <https://www.branz.co.nz/appraisal-codemark-certificates/1018-2018-rehau-upvc-windows-and-doors/>

Scope of use

For an exact summary of compliance please refer to BRANZ appraisal with the following link - <https://www.branz.co.nz/appraisal-codemark-certificates/1018-2018-rehau-upvc-windows-and-doors/>

Conditions of use

For an exact summary of compliance please refer to BRANZ appraisal with the following link - <https://www.branz.co.nz/appraisal-codemark-certificates/1018-2018-rehau-upvc-windows-and-doors/>

Supporting documentation

The following additional documentation supports the above statements:

Title (type)	Version	URL
BRANZ Appraisal (Certification, Installation, Maintenance, Test results)	Appraisal No. 1018 (2018) Amended 23 February 2023.	https://www.branz.co.nz/appraisal-codemark-certificates/1018-2018-rehau-upvc-windows-and-doors/
Installation for NZ buildings. (Installation)	Version 1 , September 2023	https://www.branz.co.nz/appraisal-codemark-certificates/1018-2018-rehau-upvc-windows-and-doors/#:~:text=Direct%20Fix%20%2D%20Bevel,Brick%20Veneer%202.10

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	REHAU Industries SE & Co. KG.
Legal and trading name of importer	REHAU Ltd
Importer address for service	Level 1/12 Allen's Rd. East Tamaki 2163
Importer website	www.rehau.co.nz
Importer NZBN	9429037496074
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First party self-assessment generated Sep 4, 2023 with BPIR Ready.

Source: <https://bpir.nz/form/view?wz=4464d0e6394a42e741cd6a2e2a3604f7f952d592>

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Importer phone number	021 731 366
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Warnings and bans

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

Appendix

BPIR Ready selections

Category: Windows and doors — exterior

	Yes	No
Use in an external wall to provide natural light	x	
Use where safety glass is required	x	
Provides ventilation	x	
Fire rating		x

Building code performance clauses

All relevant building code performance clauses listed in this document:

B1 Structure

B1.3.1

Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements and sitework*, including:

- (a) self-weight
- (b) imposed gravity loads arising from use
- (h) wind
- (j) impact

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (b) 15 years if:
 - i. those *building elements* (including the *building envelope*, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or
 - ii. failure of those *building elements* to comply with the *building code* would go undetected during normal use of the *building*, but would be easily detected during normal maintenance.
- (c) 5 years if:
 - i. the *building elements* (including services, linings, renewable protective coatings, and *fixtures*) are easy to access and replace, and
 - ii. failure of those building elements to comply with the *building code* would be easily detected during normal use of the *building*.

E2 External moisture

E2.3.2

Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to *building elements*, or both.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

- a. the consequences of failure:
- b. the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
- c. variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

F2.3.3

Glass or other brittle materials with which people are likely to come into contact shall:

- a. if broken on impact, break in a way which is unlikely to cause injury, or
- b. resist a reasonably foreseeable impact without breaking, or
- c. be protected from impact.

G4 Ventilation

G4.3.1

Spaces within *buildings* shall have means of ventilation with *outdoor air* that will provide an *adequate* number of air changes to maintain air purity.

G7 Natural light

G7.3.1

Natural light shall provide an *illuminance* of no less than 30 lux at floor level for 75% of the *standard year*.

G7.3.2

Openings to give awareness of the outside shall be transparent and provided in suitable locations.

H1 Energy efficiency

H1.3.1

The *building* envelope enclosing spaces where the temperature or humidity (or both) are modified must be constructed to

- (a) provide *adequate thermal resistance*
- (b) limit uncontrollable airflow

H1.3.2E

Buildings must be constructed to ensure that their building performance index does not exceed 1.55.