

PRODUCER STATEMENT PS1: SLIDETEC FRAMELESS GLASS SLIDING DOORS SYSTEM



association of consulting and engineering



PS1 no: (By Viridian)
 CPEng 1163388
 Auckland Council Author Number: 124000
 SBGC Author Number: PSA/2020/14

Building Code Clause(s) **B1, F2**

PRODUCER STATEMENT – PS1 – DESIGN

ISSUED BY: Viridian Glass Ltd Partnership
 (Design Firm)

TO: LouvreTec NZ
 (Owner/Developer)

TO BE SUPPLIED TO: ### Council
 (Building Consent Authority)

IN RESPECT OF: Maximum Viridian Toughened Safety Glass Spans for SlideTec Sliding Panel System
 (Description of Building Work)

AT: ###
 (Address)

Town/City: ### **LOT** **DP** **SO**
 (Address)

We have been engaged by the owner/developer referred to above to provide:
 Design services with respect to maximum Viridian Toughened Safety Glass spans for SlideTec Sliding Panel System.
 This PS1 excludes the design of all supporting structure and substrate beyond the immediate fixings which must be designed by others to NZ Building Code and AS/NZS 1170.

 (Extent of Engagement)

services in respect of the requirements of Clause(s) **B1, F2** of the Building Code for:
 All or Part only (as specified in the attachment to this statement), of the proposed building work.

The design carried out by us has been prepared in accordance with:
 Compliance Documents issued by the Ministry of Business, Innovation & Employment **B1/VM1/AS1 F2/AS1** or
 (verification method/acceptable solution)
 Alternative solution as per the attached schedule

The proposed building work covered by this producer statement is described on the drawings titled:
Refer attached drawings and numbered **Refer attached drawings** ;
 together with the specification, and other documents set out in the schedule attached to this statement.

On behalf of the Design Firm, and subject to: **Refer attachment below**
 (i) Site verification of the following design assumptions
 (ii) All proprietary products meeting their performance specification requirements;

I believe on reasonable grounds that a) the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in the attached schedule, will comply with the relevant provisions of the Building Code and that b), the persons who have undertaken the design have the necessary competency to do so. I also recommend the following level of construction monitoring/observation:

CM1 CM2 CM3 CM4 CM5 (Engineering Categories) or as per agreement with owner/developer/Architect
 I, **Woo Ching, Yong (Dominic)** am: CPEng 1163388
 (Name of Design Professional)

I am a member of: Engineering New Zealand and hold the following qualifications: **BEng (Hons), Mst.Eng**
 The Design Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than \$200,000*.
 The Design Firm is a member of ACE New Zealand:

SIGNED BY: **Woo Ching, Yong (Dominic)** (Signature)
 (Name of Design Professional)

ON BEHALF OF Viridian Glass Ltd Partnership Date **Feb 2025**
 (Design Firm)

Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in contract, tort or otherwise (including negligence), is limited to the sum of \$200,000.*
 This form is to accompany **Form 2 of the Building (Forms) Regulations 2004** for the application of a Building Consent.
THIS FORM AND ITS CONDITIONS ARE COPYRIGHT TO ACE NEW ZEALAND AND ENGINEERING NEW ZEALAND

GUIDANCE ON USE OF PRODUCER STATEMENTS

Producer statements were first introduced with the Building Act 1991. The producer statements were developed by a combined task committee consisting of members of the New Zealand Institute of Architects, Institution of Professional engineers New Zealand (now Engineering New Zealand), ACE New Zealand in consultation with the Building Officials Institute of New Zealand. The original suit of producer statements has been revised at the date of this form as a result of enactment of the Building Act (2004) by these organisations to ensure standard use within the industry.

The producer statement system is intended to provide Building Consent Authorities (BCAs) with reasonable grounds for the issue of a Building Consent or a Code Compliance Certificate, without having to duplicate design or construction checking undertaken by others.

PS1 Design Intended for use by a suitably qualified independent design professional in circumstances where the BCA accepts a producer statement for establishing reasonable grounds to issue a Building Consent;

PS2 Design Review Intended for use by a suitably qualified independent design professional where the BCA accepts an independent design professional’s review as the basis for establishing reasonable grounds to issue a Building Consent;

PS3 Construction Forms commonly used as a certificate of completion of building work are Schedule 6 of NZS 3910:2013 or Schedules E1/E2 of NZIA’s SCC 2011²

PS4 Construction Review Intended for use by a suitably qualified independent design professional who undertakes construction monitoring of the building works where the BCA requests a producer statement prior to issuing a Code Compliance Certificate.

This must be accompanied by a statement of completion of building work (Schedule 6).

The following guidelines are provided by ACE New Zealand and Engineering New Zealand to interpret the Producer Statement.

Competence of Design Professional

This statement is made by a Design Firm that has undertaken a contract of services for the services named, and is signed by a person authorised by that firm to verify the processes within the firm and competence of its designers.

A competent design professional will have a professional qualification and proven current competence through registration on a national competence based register as a Chartered Professional Engineer (CPEng).

Membership of a professional body, such as Engineering New Zealand (formerly IPENZ) provides additional assurance of the designer’s standing within the profession. If the design firm is a member of ACE New Zealand, this provides additional assurance about the standing of the firm.

Persons or firms meeting these criteria satisfy the term “suitably qualified independent design professional”.

***Professional Indemnity Insurance**

As part of membership requirements, ACE New Zealand requires all member firms to hold Professional Indemnity Insurance to a minimum level.

The PI Insurance minimum stated on the front of this form reflects standard, small projects. If the parties deem this inappropriate for large projects the minimum may be up to \$500,000.

Professional Services during Construction Phase

There are several levels of service which a Design Firm may provide during the construction phase of a project (CM1-CM5 for Engineers³). The Building Consent Authority is encouraged to require that the service to be provided by the Design Firm is appropriate for the project concerned.

Requirement to provide Producer Statement PS4

Building Consent Authorities should ensure that the applicant is aware of any requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the Design firm’s engagement.

Attached Particulars

Attached particulars referred to in this producer statement refer to supplementary information appended to the producer statement.

Refer Also:

- 1 Conditions of Contract for Building & Civil Engineering Construction NZS 3910: 2013
- 2 NZIA Standard Conditions of Contract SCC 2011
- Guideline on the Briefing & Engagement for Consulting Engineering Services (ACE New Zealand/Engineering New Zealand 2004)
- 4 PN Guidelines on Producer Statements

www.acenz.org.nz
www.engineeringnz.org



**Viridian Glass**

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Auckland 2013

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E dyong@viridianglass.net.nz**Re: Clause B2 Statement for Viridian Glass System -:**

We are unable to provide a Producer Statement for Clause "B2 - Durability" of the Building Code because the Ministry of Business Innovation and Employment compliance documents do not contain an effective verification method.

However, for the specific designed structural elements in Viridian Glass Producer Statement PS1, we can confirm the following:

When glass is installed in accordance with NZS 4223 and installation instructions, it will meet the durability requirements of Table 1 Acceptable Solution B2/AS1.

To ensure the durability of the system, the care and maintenance requirements included in the Viridian Glass product manual must be met. Please refer attached documents.

Yours sincerely,

A handwritten signature in blue ink that reads "Yong".

Dominic Yong

CPEng 1163388

T 0800 847 434 | F 64 9 573 0389

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To Whom It May Concern

Construction Monitoring

The design is based on the verification of construction specified in the PS1 by a suitably qualified professional.

Inspection shall include at least the following:

- The glass type, thickness and dimensions are as provided by the PS1, and are supplied by Viridian Glass.
- The permanent glass markings are visible after installation, and meet the requirements of NZS 4223.
- The hardware and fixings are supplied and installed at the specified centres as per the PS1.
- Substitution of glass or hardware is not allowed.
- The supporting structures has been engineered by a suitably qualified design professional to support design loads from the glass. This is not responsibility of Viridian Glass.

We note additional inspections will be required as part of the Council's normal inspection regime.

Yours sincerely,

Technical Manager
CPEng | CMEngNZ | Mst.Eng

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CARE AND MAINTENANCE

To ensure the long-term durability of glass, regular washing and drying are necessary. In urban areas, it is recommended to wash them every three to six months. The following guidelines should be followed:

- a. When washing, soak the glass surface with a mild soap detergent solution, warm water, or proprietary glass cleaners to loosen dirt and debris.
- b. Use a soft, grit-free cloth or sponge to wash the glass and avoid washing in direct sunlight. Do not use scrapers or razor blades.
- c. After washing, rinse the glass with clean water and dry it using a clean, grit-free squeegee, cloth, or paper towel. Remember that wet glass can be dirty.
- d. Ensure that all water and cleaning solution residue is dried from the gaskets, sealants, and frames to prevent water spots.

- e. Avoid cleaning tinted and reflective glass surfaces in direct sunlight.
- f. For laminated glass, use the same washing procedures as above, but be careful not to allow solvents to come into contact with the edge laminate interlayer.
- g. It is recommended to check that hardware drainage is not blocked, as this can affect laminated glass.