



BEAL Appraisal Certificate



ISSUED: Dec 2018
EXPIRES: Dec 2019

Product: Gao's NZ Holdings Ltd Solid Stone Veneer
Certificate-holder: Gao's NZ Holdings Ltd.¹



Product description:

Gao's NZ Holdings Ltd Solid Stone Veneer is an 'appraised cladding system' incorporating natural and manufactured stone veneer pieces, adhered to a fibre-cement backing sheet, which is attached to the framing over battens and underlay.

Scope of Use & Limitation Statement:

Gao's NZ Holdings Ltd Solid Stone Veneer cladding system is suited for installation over timber & light gauge steel framing compliant with the NZBC within seismic zones with a Z factor of Upper Hutt and a local wind zone of up to and including **Very High**. Installation shall be supervised by a trained and registered installer.²

¹Applicant:

Gao's NZ Holdings Ltd
16B Parkhead Place
Rosedale
Auckland
TEL: 09 444 3860
www.gao.co.nz



Issuer:

Building Element Assessment Laboratory Ltd.

Tel: +64 233 6661
E-Mail: sales@beal.co.nz
www.beal.co.nz



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Clauses for which compliance has been assessed by BEAL:

- B1.3.3 (a), (f), (h), (j) and (q) The product meets the structural requirements for loads arising from self weight, earthquake, wind, impact and creep
- B2.3.1 (b), 15 years, B2.3.1 (c), 5 years, and B2.3.2. The product meets the durability requirements for the stone veneer, adhesive, fibre-cement sheet, battens & fixings and the underlay system
- E2.3.2. The product is a face-sealed cladding system that meets the performance requirements of E2.3.2
- F2.3.1. The product is not a health hazard to people.

Evidence relied upon including a buildability assessment:

- B1.3.3 (a), (f), (h), (j) and (q) A peer review report dated 08 August 2017 has been provided by a Chartered Professional Engineer⁴
- B2.3.1 (a), (b) & (c) A peer review report dated 12 Oct 2018 has been provided by a building scientist employed by BEAL⁴
- E2.3.2 A peer review report dated 12 Oct 2018 has been provided by a building scientist employed by BEAL⁴
- F2.3.1 A peer review report dated 12 Oct 2018 has been provided by a building scientist employed by BEAL⁴
- Buildability - Buildability Assessment Report 120918 dated 01 Oct 2018.⁴

Title & version of the current Technical & Installation Manual:

The Gao's Stone Veneer Technical & Installation Manual ver 1.0 available from www.gao.co.nz and the BEAL website www.beal.co.nz

Title & version of the current Building Product Quality Plan & Site Checklist:

The Gao's Stone Veneer BPQP ver 1.0

Requirement for trained and approved persons:

Installation shall be supervised by a trained and registered installer

Requirement for factory audits:

NA. Assembly of the appraised system is on site

Requirement for the local certificate-holder QA qualifications & auditing:

Gao Stone Holdings have an Approved QA Person Certificate from BEAL³ and have site audits conducted at least 12 monthly

Requirement for trained and approved persons auditing:

Gao Stone Holdings have an Approved Training Manual which is subject to review at least 12 monthly

Warranty & maintenance info supplied:

Gao Stone Holdings provide a Warranty and Owner Maintenance document on completion of each project

Certificate-issuer QA qualifications and audit requirements:

Building Element Assessment Laboratory Ltd. is assessed annually for compliance with ISO17025 on an annual basis and against the requirements of ISO 17065 and ISO 17021 by QMS www.qms.co.nz

Certificate-issuer Professional Indemnity requirements:

Building Element Assessment Laboratory Ltd. has Professional Indemnity Insurance that covers the scope of work described in this certificate.

Notes:

- 1 - Please contact BEAL for further information.
- 2 - Please contact BEAL for further information.
- 3 - Please contact BEAL for further information.
- 4 - Please contact BEAL for further information.