



# BEAL Appraisal Certificate



ISSUED: Dec 2018  
EXPIRES: 30 Nov 2021

**Product: Gao's Solid Stone Veneer Cladding System**

**Certificate-holders: Gao's NZ Holdings Ltd & M.Y. Stone Ltd**



## **Product description:**

Gao's Solid Stone Veneer Cladding System 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 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.<sup>2</sup>

### **<sup>1</sup>Applicant:**

**Gao's NZ Holdings Ltd & M.Y. Stone Ltd**  
c/-16B Parkhead Place  
Rosedale  
Auckland  
TEL: 09 444 3860 or  
www.gao.co.nz



### **Issuer:**

**Building Element Assessment Laboratory Ltd.**

Tel: +64 4 233 6661  
E-Mail: sales@beal.co.nz  
www.beal.co.nz



# BEAL Appraisal Certificate



## 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 Engineer<sup>4</sup>  
B2.3.1 (a), (b) & (c) A peer review report dated 12 Oct 2018 has been provided by a building scientist employed by BEAL<sup>4</sup>  
E2.3.2 A peer review report dated 12 Oct 2018 has been provided by a building scientist employed by BEAL<sup>4</sup>  
F2.3.1 A peer review report dated 12 Oct 2018 has been provided by a building scientist employed by BEAL<sup>4</sup>  
Buildability - Buildability Assessment Report 120918 dated 01 Oct 2018.<sup>4</sup>

## 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](http://www.gao.co.nz) and the BEAL website [www.beal.co.nz](http://www.beal.co.nz)

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

The Gao's Stone Veneer BPQP ver 1.1

## 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 BEAL<sup>3</sup> 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](http://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.

Authorised signatory

20 August 2020

Updated to ver 1.1

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