

March 31, 2017

## CERTIFICATE OF COMPLIANCE—DESIGN StructaClad Insulated Façade System

### COMPLIANCE:

I did not prepare the design and I certify that the part of the design described as,

**StructaClad Insulated Façade System, by  
ReGen Building Solutions, 16-20 Millers Road, Wingfield, South Australia, 5013,**

complies as a Performance Solution to the following Parts of the National Construction Code (NCC) 2016 – Building Code of Australia (BCA), Volumes One and Two:

#### Structural Performance:

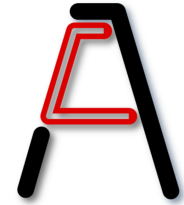
- Volume 1, BP1.1, BP1.2, & Volume 2, P2.1.1 with regard to the structural performance of external walls of buildings, designed and constructed in accordance with *StructaClad Installation Guide, March 2017*, where;
  - o Design Ultimate Limit State Wind Pressure, calculated in accordance with AS/NZS 1170.2 Structural Design Actions Part 2: Wind Actions, does not exceed,  $\pm 4.8$  kPa non-cyclonic when battens spaced at 600 mm, or  $\pm 4.0$  kPa cyclonic when battens spaced at 600 mm, or  $\pm 5.9$  kPa cyclonic when battens spaced at 300 mm. This includes AS 4055 Wind Classifications N1, N2, N3, N4, N5, C1, C2, and C3 'away from corners', when battens spaced at 600 mm; and, C3 'within 1200mm of corners' when battens spaced at 300mm; and, excludes AS 4055 Wind Classifications N6 and C4.

#### Weatherproofing:

- Volume 1, FP1.4 & Volume 2, P2.2.2 with regard to the weatherproofing of external walls of buildings, when constructed in accordance with *StructaClad Installation Guide, March 2017*, where;
  - o Design Serviceability Limit State Wind Pressure, calculated in accordance with AS/NZS 1170.2 Structural Design Actions Part 2: Wind Actions, does not exceed  $\pm 1.8$  kPa. This includes AS 4055 Wind Classifications N1, N2, N3, N4, N5, C1, C2, and C3; and, excludes AS 4055 Wind Classifications N6 and C4.

#### Damp-proofing:

- Volume 1 FP1.5, & Volume 2, P2.2.3 with regard to damp-proofing of external walls of buildings when constructed in accordance with *StructaClad Installation Guide, March 2017*.



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Thermal Performance:

- Volume 1, JP1, & Volume 2, P2.6.1 with regard to the thermal performance of external walls of buildings, for the Total R-value of external walls of buildings, as described in *StructaClad Installation Guide, March 2017*.

**SUBJECT TO THE FOLLOWING CONDITIONS:**

- i. Product selection, and incorporation into the building design, shall be made by a person who is conversant with the application and technical aspects of the product, with ready access to the relevant technical information related to product use.
- ii. Product installation shall be carried out by a competent carpenter or other tradesman under the direction of a Builder, both of whom are conversant with the method of product installation, with access to all relevant technical information on product installation.

**LIMITATIONS:**

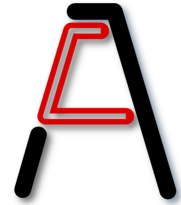
- i. This certification does not deal with fire resistance or fire hazard properties.
- ii. This certification does not deal with materials safety, site safety or safe work practices in any form and should be considered in conjunction with a suitable Safety Data Sheets.
- iii. This certification does not deal with the quality assurance aspects of the manufacturing and construction process and should be considered in conjunction with the necessary safety analyses.

**DESIGN DOCUMENTS:**

<b>Specifications:</b>	<b>Prepared by:</b>	<b>Date:</b>
StructaClad Installation Guide	ReGen Building Solutions	March 2017

<b>Test Reports:</b>	<b>Prepared by:</b>	<b>Date:</b>
Test Report No: 2016-086-S2, "Structaclad" 75mm MgO/ESF Composite Cladding System, Specimen tests to NCC-2016 Verification Methods FV1 and V2.2.1 for ReGen Building Solutions".	Ian Bennie and Associates	November 2016.
Test Report No: 2016-086-S1, "Structaclad" 75mm MgO/ESF Composite Cladding System with 600 mm (spaced) Battens Static Ultimate Wind Load Tests to AS 4040.2 for ReGen Building Solutions".	Ian Bennie and Associates	November 2016
Test Report No: 2016-086-S3, "Structaclad" 75mm MgO/ESF Composite Cladding System with 600 mm (spaced) Battens Cyclic Ultimate Wind Load Tests to AS 4040.3 for ReGen Building Solutions".	Ian Bennie and Associates	November 2016

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Test Report No: 2016-086-S4, "Structaclad" 75mm MgO/ESF Composite Cladding System with 300 mm (spaced) Battens Cyclic Ultimate Wind Load Tests to AS 4040.3 for ReGen Building Solutions".	Ian Bennie and Associates	November 2016
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<b>Engineering:</b>	<b>Prepared by:</b>	<b>Date:</b>
REPORT No: ACA – 170203, "StructaClad Insulated Façade System - NCC 2016 Appraisal for Compliance"	Acronem Consulting Australia	March 31 <sup>st</sup> 2017
Calculation of Thermal Performance – W170109a, to AS/NZS 4859.1	Acronem Consulting Australia	09/01/2017

**Signature:**

CAMERON CHICK BE(HONS), PH.D, GC.COM.(MKTG), M.AIRAH, RPEQ  
ACRONEM CONSULTING AUSTRALIA PTY LTD  
3/62 WARRIGAL ROAD, PARKDALE, VIC., 3195  
RBP (VIC.) – ENGINEER, CIVIL ENGINEER, EC 39441  
RPEQ – STRUCTURAL, 15370

**Date:**

31<sup>ST</sup> MARCH 2017



**REGISTERED**  
Building Practitioner