



18th July, 2019

Structural Certification: Cladding connections to Eco-Block Wall

Newport Consulting Engineers hereby certify that connections between external cladding and the Eco-Block wall system, when fixed in accordance with the specifications below, are structurally adequate for the following wind loadings.

Wind loadings, derived from design wind classifications N1 to N5 as well as C1 to C3 (in accordance with AS 4055 -2012)

and

Design Ultimate Wind Pressures (as derived from AS 1170.2) of 7.18 kPa or less.

Fixing specifications are

- 10 gauge screws, (grade 3)
- Screws must be sufficient length so as to penetrate through the external cladding, as well as the Eco-Block expanded polystyrene foam outer-shell and into the vertical stud channel.
- Screws to be fixed to every second vertical stud channel (i.e. approximately 400mm horizontal centres.)
- Screws to be spaced at maximum 400mm vertical centres.

Compliance is based on

- Load testing results as described in Eco Block LLC Technical Bulletin "Fibre Cement Siding Attachment" (refer attached)
- Load testing results as described in Advanced Materials Testing Services "Load Test Report" dated 8 April 2019 (refer attached.)

The connection hereby meets the requirements of NCC BCA 2019 Part 3.5.4 "Timber and Composite Wall Cladding" and Performance Requirement P2.1.1

Please don't hesitate to contact us if you have any further questions in relation to this report.

Yours faithfully,

A handwritten signature in blue ink, appearing to read "Matthew Yourell".

MATTHEW YOURELL
RPEQ NO 8295
M.I.E. (AUST)