

BCA CLAUSE FP1.4 – DESIGN PERFORMANCE

WEATHERPROOFING OF ROOFING AND EXTERNAL WALLS (NEW)

Note. This Report must be completed by the Project Architect or Façade Engineer or other Professional deemed acceptable.

Project Name	<i>Murrumbateman Primary School</i>
Address	<i>2 Fairley St. Murrumbateman NSW 2582</i>
Part of Building	<i>All new building fabric for roofs and external walls</i>
Report Number or Reference	<i>NSW211128_MURRUM_FP1.4_00</i>

I hereby verify that:

- a I have considered the building height, wind region, eave width and overall roof and external wall envelope complexity associated with the new external walls and roofing design
- b I have considered the design and specification of the external wall and roofing systems with regard to the following if and where applicable;
 - i) Manufacturer's specifications and design requirements for each of the materials proposed
 - ii) Relevant Australian standards
 - iii) CodeMark and other test certificates as appropriate
 - iv) Good construction practise
 - v) Flashing and sealing details associated with roofing, windows, doors and other openings,
 - vi) Flashing and sealing details associated with material interfaces,
 - vii) Any specified in situ test and approval protocol for prototype wall or roofing systems
- c The roof and external wall systems, including openings around windows and doors, have been designed and/or specified appropriately to prevent the penetration of water that could cause
 - i) unhealthy or dangerous conditions or loss of amenity for occupants and
 - ii) undue dampness or deterioration of building elements.
- d The proposed design has been assessed in accordance with Section A0 of Volume 1 of the Building Code of Australia 2016 and determined to comply with Performance Requirement FP1.4 as summarised below.

Means of complying with the BCA	Relevant performance requirement	Assessment methods used
Performance Solution complying with the relevant Performance Requirement as required by Clause A0.3 of the BCA	FP1.4	Supporting Evidence, Verification Methods, and/or Expert Judgment appropriate in accordance with BCA clause A0.5

- e The plans, specifications, test protocols, and test or CodeMark certificates listed in the Appendix to this document have been relied on in making this assessment:

- f I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. A summary of my qualifications and accreditations are listed below and my Curriculum Vitae is appended to this document.

Relevant qualifications and accreditations: MIEAust, NERS, CPENG, RPEQ, RBP

- g Details of the person verifying this Performance Solution

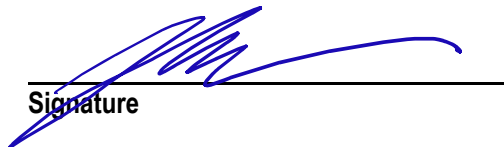
Name: Jim Gaerlan

Company: ACOR Consulting Pty. Ltd.

Address: Suite 2, Level 1, 33 Herbert St. St. Leonard NSW 2065

Phone No. 02 94385098

Fax No. 02 94385398



Signature

27 November 2021

Date

APPENDIX – PLANS, SPECIFICATIONS AND TEST/CODEMARK CERTIFICATES REFERENCED OR RELIED UPON

Certificates, test reports and specifications

List all CodeMark Certificates, test reports and specifications relied on

Document No.	Document title	Revision	Date	Produced by
-	CAPRAL 425 Narrowline Tech. Manual	-	01-08-2021	CAPRAL
-	Performance Louvre Windows Design Manual	3		Safetyline Jalousie
CM20198	Cemintel Barestone Walling System CodeMark		17-03-2020	Cemintel
-	Cemintel Design and Installation Guide Barestone External	-	-	Cemintel
GM CM30033	Lysaght Certificate of Conformity	A	17-12-2012	BlueScope Steel
	Lysaght Roofing and Walling Installation Manual	-		Lysaght

Plans

Complete section below OR append list of drawings

Drawing No.	Drawing Title	Rev	Date	Drawn by
ACONEX PPA-TRANSMIT-000076	3299 - Murrumbateman - ISSUE FOR 100% DD	-	24-09-2021	Pedavoli Architect
PS-01	Proposed Performance Solution Typical Section Details (Weatherproofing)	A	20-09-2021	ACOR Consultants
PS-02	Proposed Performance Solution Typical Section Details (Weatherproofing)	A	20-09-2021	ACOR Consultants
PS-03	Proposed Performance Solution Typical Section Details (Weatherproofing)	A	20-09-2021	ACOR Consultants
PS-04	Proposed Performance Solution Typical Section Details (Weatherproofing)	A	20-09-2021	ACOR Consultants
PS-05	Proposed Performance Solution Typical Section Details (Weatherproofing)	A	20-09-2021	ACOR Consultants
PS-06	Proposed Performance Solution Typical Section Details (Weatherproofing)	A	20-09-2021	ACOR Consultants

COMPLETION CERTIFICATE

WEATHERPROOFING OF ROOFING AND EXTERNAL WALLS

Note. This certificate must be completed by the Project Architect, Head Contractor or other Professional deemed acceptable

Project Name	<i>Murrumbateman Primary School</i>
Address	<i>2 Fairley St. Murrumbateman NSW 2582</i>
Part of Building to be certified	<i>All new building fabric</i>

I hereby certify that:

- a) The roofing and external wall systems have been constructed to prevent unhealthy or dangerous conditions or loss of amenity for occupants and undue dampness or deterioration of building elements.
- b) The building works relating to the weatherproofing of the external walls have been inspected during construction and have been found to be completed in accordance with good construction practise and the documentation assessed in the Performance Solution report outlined below, including but not limited to the architectural details, relevant specifications, test certificates, relevant code mark certificates, tested prototypes, any in situ testing regime, and other requirements as appropriate:

Aspect of building being certified	Standard of performance achieved in the building
Weatherproofing of roofing and external walls	Plans, specifications and any other requirements nominated in Performance Solution Report: NSW211128_MURRUM_FP1.4_00 prepared by Jim Gaerlan dated 27/11/2021

- c) I am a suitably qualified and experienced person and have a good working knowledge of the construction of roof and wall systems. (A summary of my qualifications and accreditations are listed below and my CV is appended to this document)

Relevant qualifications and accreditations: MIEAust, NERS, CPENG, RPEQ, RBP

- d) The information contained in this statement is true and accurate to the best of my knowledge.

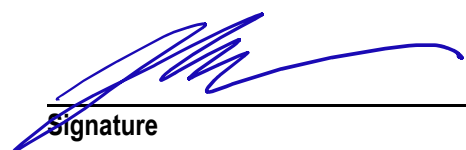
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