



**CODEMARK™**

**Product description**

Loxo Cladding System - 50mm thick steel-reinforced Autoclaved Aerated Concrete (AAC) panels mounted horizontally on cavity battens, screw fixed to the external load bearing wall. The exterior panel face is then sealed using a plastered rendered coating.

**Panel sizes:** 50mm x 2200mm x 600mm

**Product purpose or use**

A non-loadbearing external wall cladding system that can be installed on timber or steel load bearing wall frames.

**Certificate holder**

Loxo Cladding Systems NZ Limited  
PO Box 10 176  
Christchurch 8011 NZ  
Phone +64 3 372 3343  
www.loxocladding.co.nz

**CodeMark certification body**

CertMark Australasia Ltd  
(ACN 154 3036 804)  
JAS-ANZ Accreditation No. Z4450210AK  
PO Box 231 Tuakau NZ 2121  
www.certmark.co.nz

# CERTIFICATE OF CONFORMITY

This is to certify that

## Loxo Cladding System



**Complies with the New Zealand Building Code:**

1. **NZBC Structure B1.3.2, B1.3.3**
2. **NZBC Durability B2.3.1 (a)**
3. **NZBC External Moisture E2.3.2, E2.3.3**
4. **NZBC Hazardous Building Materials F2.3.1**

**Subject to the following conditions and limitations:**

1. Must be installed in accordance with Loxo Installation Manual Edition August 2013.
2. Only to be installed by a qualified tradesperson.
3. All joinery used in conjunction with Loxo Cladding System must meet the requirements of NZS 4211:2008.
4. For use in buildings within the scope limitations of NZS 3604:2011 and situated in wind zones up to and including Extra High as determined in NZS 3604:2011.
5. Loxo Cladding System is considered to meet the requirements of NZBC C3.3 for use as an external wall cladding. However, it is restricted to:
  - \* Single storey buildings 1m or more from the boundary for all purpose groups.
  - \* Buildings up to 7m high, 1m or more from the boundary, for all purpose groups other than SC.

**John Thorpe**  
Director  
CertMark Australasia Pty Ltd

18/11/2013

**Date of issue**

CMA-CM40078

**Certificate Number**



- This certificate is issued by an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation & Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms to the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE disclaims, to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate.
- It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the MBIE website, <http://www.mbie.govt.nz/>
- This certificate may only be reproduced in its entirety



# DOCUMENTS DEMONSTRATING COMPLIANCE WITH NEW ZEALAND BUILDING CODE

18 November 2013

**Relating to Certificate CMA-CM40078**

**By CertMark Australasia Ltd**

**Owner/Applicant** Loxo Cladding Systems NZ Limited  
**Architect/Designer/Engineer** Loxo Cladding Systems NZ Limited  
**Consent Address** PO Box 10 176, Christchurch 8011 NZ  
**Relevant Performance Clauses** B1.3.2, B1.3.3, B2.3.1(a), E2.3.2, E2.3.3 and F2.3.1

## Information Demonstrating Compliance with the Specified Performance Clauses:

| Clause          | Requirement/Standard  | Documented Evidence   |
|-----------------|---|---|
| B1.3.2 & B1.3.3 | Calculations meeting AS/NZS1170                                 | LOXO Wall Cladding assessment - Kirk Roberts Consulting Engineers Ltd. Dated 11/03/2010                                       |
|                 |   | Compression testing on 50mm AAC panel – OPUS International Consultants Dated 02/03/2010                                       |
| B2.3.1(a)       | Test Reports or Expert Opinion for components & system          | Expert opinion on component durability - BEAL Testing Services as per BEAL Appraisal C908                                     |
|                 |   | BTS Test Report TR080829B covering water vapour transmission  |
|                 |   | BTS Test Report TR100128 covering durability of render adhesion   |
| E2.3.2 & E2.3.3 | Review of weathertightness design Test Report or Expert Opinion | Expert opinion on the design and E2/VM1 Weathertightness Test - BEAL Appraisal C908 Test Certificate TR101001 Dated 6/12/2010 |
|                 |   | BTS assessment of Risk Score based on MBIE Guidance Document External Moisture – a guide to using the risk matrix.            |
| F2.3.1          | Test Report or Expert Opinion                                   | Expert opinion on the design - BEAL Testing Services as per BEAL Appraisal C908.  |

Refer to the LOXO Technical Manual version August 2013 and BEAL Appraisal Certificate C908 Updated August 2013  
 BEAL Testing Services are an independent third party building product testing facility specialising in the evaluation of residential envelope products since 2004.