

Certificate no: CMNZ25002

Version: 01

Original issue date: 17 August 2023

Version date: 17 August 2023

1. Certificate Holder Details

CEMINTEL

CSR Building Products Limited
(Trading as CSR Cemintel)
Triniti 3, 39 Delhi Road, North Ryde, NSW 2113,
Australia
Website: <https://www.csr.com.au/about-us/contact-us>
Phone: 1800 633 826

2. Product Certification Body

SAI Global Certification Services Pty Limited
(ACN 108 716 669) Trading as "SAI Global" Operating
as "Intertek & Intertek SAI Global"
JAS-ANZ Accreditation No. Z1440295AS
650 Lorimer Street Port, Melbourne, VIC 3207
<https://www.saiglobal.com/>

Complaints: The complaints process for this
certificate can be found here:
<https://saiaassurance.com.au/complaints-appeals/>



Calin Moldovean
President, Business Assurance
SAI Global Assurance

Product Certificate

Cemintel® Surround

3. Description of Building Method or Product

Cemintel® Surround consists of compressed fibre cement panels fixed to NVELOPE NV9 Omega supporting top hats. The Cemintel Surround panel comes trimmed and sealed in a standard 1200mm x 3000mm x 8mm size and has a mass of 15.7kg/m².

Refer to Cemintel® Surround New Zealand Design and Installation Guide External Installation FCNZ704 July 2023 for additional detailed product specifications, installation details and accessories.

Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use

Referenced Document:

- Cemintel® Surround New Zealand Design and Installation Guide External Installation FCNZ704 July 2023.

4. Intended use of Building Method or Product

Cemintel® Surround is for use as wall cladding and building facades. Panels are installed as a pressure equalised ventilated cavity system.

5. New Zealand Building Code Provisions

Clause B1 Structure — Performance B1.3.1; B1.3.2; B1.3.3(a)(f)(h); B1.3.4

Clause B2 Durability — Performance B2.3.1(b); B2.3.2(a)

Clause C3 Fire affecting areas beyond the fire source — Performance C3.5; C3.6 (contributes to); C3.7

Clause E2 External moisture — Performance E2.3.2; E2.3.5 (contributes to); E2.3.7

Clause F2 Hazardous building materials — Performance F2.3.1

How the building method or product complies or contributes can be found in item 8. Basis for Certification.

Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.

6. Conditions and Limitations of Use

- a) Cemintel® Surround is certified for use as external wall cladding for buildings:
 - designed in accordance with:
 - i. NZS 3604:2011 for timber framed buildings, or



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.

Certificate no: CMNZ25002

Version: 01

Original issue date: 17 August 2023

Version date: 17 August 2023

- ii. NZS 3404:2009 Part 1 and NASH Standard Part 2: May 2019 Light Steel Framed Buildings, or
- iii. NZS 4229:2013 for masonry buildings.
- located in Wind zone (NZS 3604:2011) up to and including Extra High.
- specifically engineering designed in accordance with B1/VM1 and referenced loading standard AS/NZS 1170 and materials standards, for:
 - i. Ultimate Limit State (ULS) wind pressure up to 6kPa.
 - ii. Serviceability Limit State (SLS) wind pressure up to 2.5kPa when installed as a pressure equalised system provided the stiffness of the structural frame limits deflections to span/250 for the serviceability wind loads.
- located in Exposure Zones B, C & D (except for microclimates) as defined in NZS 3604:2011 section 4.2, except for fixing to masonry which is limited to zones B & C. Cemintel Surround is not suitable for use in Zone E or in industrial contamination and geothermal areas where the environment may be acidic with a pH of less than 5, and
- up to 25 m in height, and
- located anywhere with respect to a relevant boundary, and
- where the Cemintel Panel surface temperature does not exceed 60°C, and
- where Cemintel Panel does not contact standing snow and ice.
- b) Cemintel® Surround shall be designed and installed on vertical surfaces:
 - in accordance with Cemintel® Surround New Zealand Design and Installation Guide External Installation FCNZ704 July 2023, and
 - with an air seal (air barrier) suitable for the design serviceability wind pressure (SLS) of 2.5kPa, and
 - with aluminium window and door joinery that meets the requirements of NZS 4211:2008 and installed with suitable vertical jambs and horizontal heads and sills flashings. Aluminium windows shall not have sill drain holes that can direct water into the wall cavity.
- c) Where Cemintel® Surround is installed on masonry or concrete walls all top hat connections and cladding fixings must be specifically engineering designed.
- d) Cemintel® Surround contributes to compliance with C3.6. Cemintel® Surround is not a fire rated system on its own but can be used as part of a fire rated system.

NOTE: Together, items 3,4,5 and 6 define scope of use

Reference Documents:

- Cemintel® Surround New Zealand Design and Installation Guide External Installation FCNZ704 July 2023.



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.

Certificate no: CMNZ25002

Version: 01

Original issue date: 17 August 2023

Version date: 17 August 2023

7. Health and Safety Information

Cemintel, Safety Data Sheet - Reference No. CSR0000601 (issued 2020-06-15).

8. Basis for Certification

- **B1 Structure** – by testing and comparison with provisions of Verification Method B1/VM1 and Acceptable Solution B1/AS1, as relevant.
- **B2 Durability** – by testing and comparison with provisions of Verification Method B2/VM1.
- **C3 Fire affecting areas beyond the fire source** – by testing and comparison with the provisions of Acceptable Solution C/AS1 and C/AS2 and Verification Method C/VM2 Framework for Fire Safety Design For New Zealand Building Code Clauses C1-C6 Protection from Fire.
- **E2 External moisture** – by testing to Verification Method E2/VM1, and comparison with details of Acceptable Solution E2/AS1.
- **F2 Hazardous building materials** – by analysis and comparison with the Performance Requirements of F2.3.1.

9. Supporting Documentation for Certification

- **Acceptable Solutions and Verification Methods for New Zealand Building Code:**
 - **Clause B1 Structure** – B1/VM1 and B1/AS1, First edition (Amendment 20) 29 November 2021.
 - **Clause B2 Durability** – B2/VM1, Second edition (Amendment 12) 28 November 2019.
 - **Clause C3 Fire affecting areas beyond the source** – C/AS1 Acceptable Solution for Buildings with Sleeping (residential) and Outbuildings (Risk Group SH), Amendment 5 (5 November 2020) and C/AS2 Acceptable Solution for Buildings other than Risk Group SH, Amendment 2 (5 November 2020) and C/VM2 Verification Method: Framework for Fire Safety Design For New Zealand Building Code Clauses C1-C6 Protection from Fire, Amendment 6 (5 November 2020).
 - **Clause E2 External Moisture** – E2/VM1, E2/AS1, E2/AS2 and E2/AS3 Third edition, Amendment 10 (5 November 2020).
- **Test Reports:**
 - A **Venn Engineering, NVELOPE NV9 cladding fixing system with CSR Cemintel Barestone, Commercial ExpressPanel & Surround cladding, Structural Analysis Report Reference: VE-DCT210202F (22 June 2023).**
This engineering report provides the structural analysis for wind pressures and seismic actions of NVELOPE NV9 cladding fixing system with CSR Cemintel Barestone, Commercial ExpressPanel, and Surround cladding.



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.

Certificate no: CMNZ25002

Version: 01

Original issue date: 17 August 2023

Version date: 17 August 2023

- B The Coatings Consultancy, Durability Evaluation – NZBC Verification Method B2/VM1 Framing for CSR Cemintel External walls, Ref: TCC22053-20220901 (1 September 2022).**
This document provides an expert opinion for durability evaluation of Cemintel Surround External when installed onto timber framing in accordance with NZS 3604; steel stud framing in accordance with AS/NZS 4600 or NZS 3404.
- C CSR Lightweight Systems, Façade Heat Rain Test Cemintel 8mm Surround, Report MT579-22 (18 May 2022).**
This report provides results of 8mm Surround sheets fixed onto Nvelope NV9 omega aluminium sub-framing system when tested to the requirements of AS/NZS 2908.2:2000 clause 6.5 Heat-rain, and confirms there were no cracks, delamination or other damage were visible during the test or at the completion of testing.
- D BRANZ, Fire Resistance of CSR Steel Framed Wall Systems, Report FC12946-001 Issue 4 (15 July 2021)**
This report provides the fire resistance levels of various constructions installed on steel stud walls when tested in accordance with AS 1530.4:2014 requirements.
- E BRANZ, Fire Resistance of CSR Timber Framed Walls, Report FC12969-001 Issue 1 (9 July 2021)**
This report provides the fire resistance levels of various constructions installed on timber stud walls when tested in accordance with AS 1530.4:2014 requirements.
- F BRANZ, Test Report and Performance in Accordance with NZBC Acceptable Solutions Section 5.8.1 of Cemintel Surround Panel, Report FH11759-001 (16 August 2019).**
This report presents the results of testing to establish the Exterior Surfaces Performance in accordance with Acceptable Solution C/AS2 para 5.8.1 and determines that Cemintel Surround satisfies the requirements for Type A and Type B as specified in C/AS2 Table C1.3.
- G Ian Bennie and Associates, Cemintel Creative Façade System Prototype Test to AS/NZS4284:2008 for Cemintel CSR, Test Report No 2016-108-SI (Amended 28 March 2017).**
This report provides the results of testing Cemintel Creative Façade System with a 6mm rigid air barrier installed on a steel stud wall when tested to the requirements of AS/NZS 4284:2008 and determines that the system passed an ULS wind pressure of 6.0kPa and a maximum SLS of 2.5kPa.
- H AECOM, Weatherproofing Assessment for CSR Expressed Joint Façade Systems (11 February 2022).**
This report provides an expert opinion for the substitution of properly designed building wraps and various CSR Cemintel rain screens (including 8mm Surround panel) and determines that the system will likely perform in a similar manner to the Cemintel Creative Façade System as tested (with the rigid air barrier).



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.

Certificate no: CMNZ25002

Version: 01

Original issue date: 17 August 2023

Version date: 17 August 2023

I **Cemintel, Safety Data Sheet, Reference No. CSR0000601 Version 1.2 (issued 2020-06-15).**

This document states that Cemintel Surround is not classified as hazardous according to criteria of Safe Work Australia GHS 7. Cutting, breaking, drilling, sawing, grinding, and finishing may generate dust which is Hazardous and includes recommendations on Exposure/Personal Protection.

All CodeMark certificates that are current must be registered with MBIE. MBIE maintains a register of valid product certificates. [Please find the register here.](#)

If the certificate is not listed on this register or it appears as (SUSPENDED), it is not a valid CodeMark certificate and does not have to be accepted by a building consent authority as establishing compliance with the New Zealand Building Code.



This certificate is issued by an independent certification body accredited by JAS-ANZ, the product certification body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment under the Building Act 2004. This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.