



Certificate of Conformity

Certification Body:



SAI Global Certification Services Pty Limited

(ACN 108 716 669) Operating as "Intertek & Intertek SAI Global"

JAS-ANZ Accreditation No. Z1440295AS

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Certificate Holder:

CSR Building Products Limited (Trading as CSR Cemintel) Triniti 3, 39 Delhi Road, North Ryde, NSW, 2113, Australia Phone: 1800 633 826

Website: <https://www.csr.com.au/About-Us/Contact-Us>

Certificate number: CM20199

THIS TO CERTIFY THAT

CEMINTEL® Surround Walling System

Type and/or use of product:

CEMINTEL® Surround is an external walling system for residential and commercial buildings. Suitable for use on all building classes where metal top hats can be fixed either to steel stud framing, timber stud framing, or to masonry and concrete substrates.

For Class 2 to Class 9 buildings, CEMINTEL® Surround walling system is suitable for only Type C Fire-Resisting Construction when fixed to timber stud framing.

CEMINTEL® Surround panels are also used as internal wall lining.

Description of product:

CEMINTEL® Surround panels are prefinished, fibre cement panels trimmed and sealed in a standard 1200mm x 3000mm x 8mm size. The panels are colour bodied and available in a range of colours and textures featuring a matte finish.

The wall system components & accessories are detailed in the Cemintel Design and Installation Guide – Surround Series – External Installation dated 03/2020 and for internal applications Design and Installation Guide – Internal Installation dated 03/2020.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S)

BCA 2019 Amdt 1

	Volume One	Volume Two
Performance Requirement(s)	<p>BP1.1(a) Structural reliability limited to (b)(i)(ii) & (iii)</p> <p>FP1.4 Weatherproofing</p>	<p>P2.1.1(a) Structural stability and resistance limited to (b)(i), (ii), & (iii)</p> <p>P2.2.2 Weatherproofing</p>
Deemed-to-Satisfy Provision(s):	<p>C1.1(b) Fire Resistance – Type A Fire-Resisting including Spec C1.1 Clause 3</p>	<p>3.7.1.1(d) General concession — non-combustible materials</p> <p>3.7.2.4(b)(i) Fire separation of external walls – Construction of external walls (FRL 60/60/60)</p>

SAI Global Certification Services

Calin Moldovean
President, Business Assurance
SAI Global Assurance

Harley Parkes – Unrestricted Building Certifier

Date of issue: 27 February 2023

Date of expiry: 26 February 2026



Certificate of Conformity

		plasterboard (refer to the Design and Installation Guide)	3.10.5.0(c)	Construction in bushfire prone areas
	C1.9(e)(iv)	General concession — Materials deemed to be non-combustible		
	C1.10(a)(ii) including Spec C1.10 Clause 4	Fire hazard properties – Wall and ceiling linings		
	G5.1 & G5.2	Construction in bushfire prone areas – (up to and including BAL 29)		
State or territory variation(s):	NSW G5.2	Construction in Bushfire Prone Areas – Protection.	NSW 3.10.5.0	Construction in bushfire prone areas
	QLD G5.1	Construction in Bushfire Prone Areas – Construction Requirements	QLD 3.10.5.0	Construction in bushfire prone areas

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:

1. CEMINTEL® Surround Walling System with Fyrchek™ MR Plasterboard can be used where the required Fire Resistance Levels (FRLs) does not exceed 120/120/120, or -/180/180 as specified in the NCC 2019.1 BCA Volume One specification C1.1. The installation must be in accordance with the relevant details contained within the System Engineering section of Cemintel Design and Installation Guide – Surround Series – External Installation dated 03/2020 for system No. CSR5874 (FRL 120/120/120) and system No. CSR5349 (120/120/120, or -/180/180).
2. For Class 2 to Class 9 buildings, CEMINTEL® Surround walling system is suitable for only Type C Fire-Resisting Construction when fixed to timber stud framing.
3. For type C Fire-Resisting Construction, Surround Walling System has not been assessed against the requirements of Specification C1.1 Clause 5.1(c) of a fire wall or an internal wall bounding a sole-occupancy unit or separating adjoining units.
4. CEMINTEL® Surround Walling System achieves a Group Number 1 and Smoke Growth Rate Index (SMOGR_{RC} 0.2 m²s²x1000) as determined in accordance with AS 5637.1:2015.
5. The following were the only wall wraps assessed against the requirements of C1.9(e)(vi) for sarking-type material:
 - a) Bradford Thermoseal™ Wall Wrap.
 - b) Enviroseal ProctorWrap Commercial Wall (CW).
 - c) Enviroseal ProctorWrap Residential Wall (RW).

Building classification/s:

Volume 1 – Class 2 to Class 9 buildings
Volume 2 – Class 1 and Class 10(a) buildings

6. The following were the only insulations assessed against the requirements of C1.9(a) for non-combustible building elements:
 - a) 75 Gold Batts R1.5 at 8.76kg/m³ density.
 - b) 75 Gold Batts R2.0 at 6.3kg/m³ density.
 - c) 90 Gold Batts R2.0 at 10.5kg/m³ density.
 - d) 90 Gold Batts R2.5 at 21.2kg/m³ density.
 - e) 75 Acoustigard R1.7 at 11.0kg/m³ density.
 - f) 90 Acoustigard R2.2 at 14.0kg/m³ density.
 - g) 90 Acoustigard R2.5 at 20.0kg/m³ density.
7. CEMINTEL® Surround Walling System shall be used for its intended purpose. For further information on limited applications of the product, refer to Cemintel Design and Installation Guide – Surround Series as relevant:
 - a) External Installation dated 03/2020.
 - b) Internal Installation dated 03/2020.
8. CEMINTEL® Surround Walling System has been tested for weatherproofing requirements and achieved serviceability limit state wind pressures up to ±2.5kPa water penetration for the cavity system using Cemintel rigid air barrier (typically 6mm thick fibre cement sheet). Construction details and fixing must follow the relevant details contained within the System Engineering section of Cemintel Design and Installation Guide – Surround Series – External Installation dated 03/2020.
9. CEMINTEL® Surround Walling System has been evaluated for use in all Australian wind zones up to and including N6 and Cyclonic C4 in accordance with AS 4055 and for ultimate wind pressures up to 7.0 kPa under AS 1170.2 including cyclonic zones when fixed to steel framing with Cemintel Rigid Air Barrier.
10. CEMINTEL® Surround Walling System is not certified for either energy efficiency or acoustic performance.
11. Site environmental factors such as wind and corrosivity zones need to be considered to determine its suitability for a particular environment.
12. CEMINTEL® Surround Walling System is suitable for use on buildings constructed in accordance with AS 3959:2018 that have a Bushfire Fire Attack Level up to and including BAL 29.
13. All flashing including inter-storey junction must be metal flashing.

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim 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 product(s) referred to in this certificate.

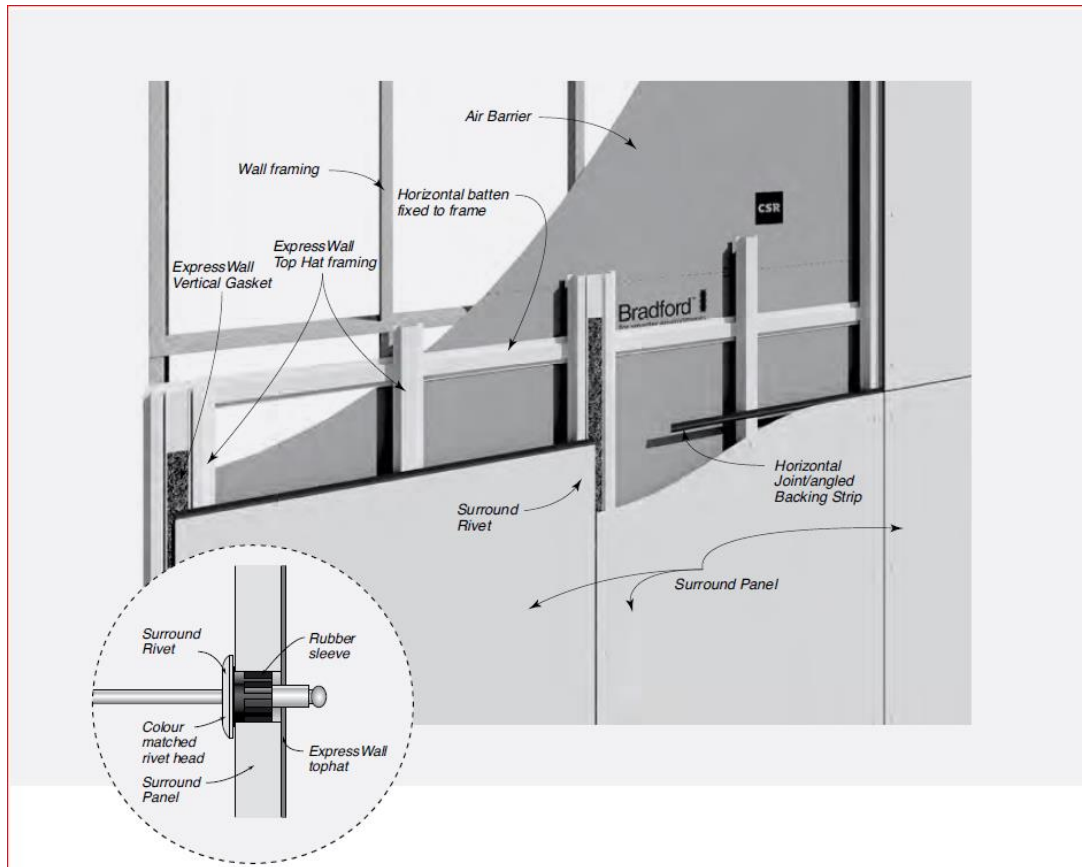
APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

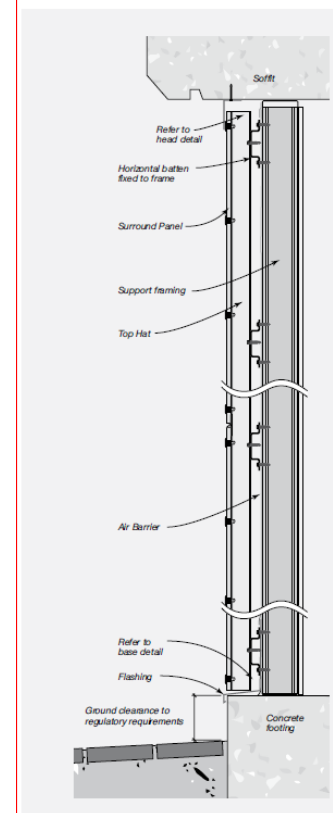
Refer to Page 1 of this certificate.

A2 Description of product

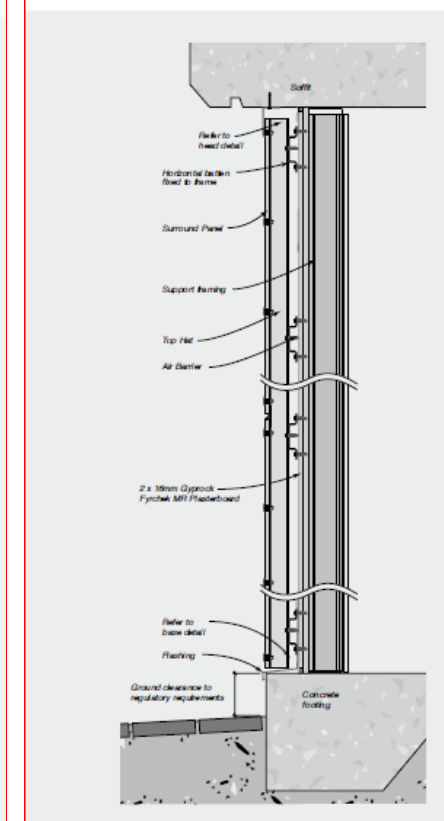
Refer to Page 1 of this certificate and the below diagrams.



Typical Surround System Cross Section for Steel Framing



Typical Surround External Fire Rated Installation - Pressure Equalised Ventilated Cavity System



A3 Product specification

Below are some physical properties of fibre cement and system specifications.

Product Specifications/System Solutions

Dimensional/Geometrical Characteristic	Specification (trimmed panel)	Manufacturing Tolerance	Relevant Standard
Panel Width	1200mm	+ / - 1.5mm	EN 12467
Panel Length	3000mm*	+ / - 1.5mm	EN 12467
Panel Thickness	8mm	+ / - 0.8mm	EN 12467
Panel Mass (EMC)	15.7kg/m ²		
Fire Resistance Limits (FRLs)	Up to 120/120/120, -/180/180		Refer to System Engineering section or Gyprock® The Red Book™
Bushfire Construction	BAL 29 (Construction for Bushfire Attack Level 29 for an external wall)		AS 3959 - 8
Weatherproofing	Has passed testing at a serviceability wind pressure of +2.5kPa and -2.7kPa, and an ultimate wind pressure of +7kPa and -7kPa (Rigid Air Barrier required for pressures above 1.5kPa)		AS 4284
Cyclonic Conditions	Passed at 7kPa		AS 4040.3

A4 Manufacturer and manufacturing plant(s)

A5 Installation requirements

Refer to Page 3 of this certificate and the following:

1. Cemintel Design and Installation Guide – Surround Series – External Installation dated 03/2020.
2. Cemintel Design and Installation Guide – Surround Series – Internal Installation dated 03/2020.

A6 Other relevant technical data

- Technical Datasheets for Bradford Thermoseal™ Wall Wrap, Enviroseal ProctorWrap (CW) Wall Wrap, and Enviroseal ProctorWrap (RW) Wall Wrap with nominal thickness <1.0mm for all three products.
- Technical Datasheet for Bradford Acoustigard partition rolls.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The system has been assessed as complying with the identified Performance Requirements of the NCC 2019 amdt 1 BCA Volumes 1 and 2. This involved a review of product specifications, test reports, installation manuals, and associated documentation.

1. **Structural assessment:**
 - Volumes 1 & 2 – A2.2(2) / A5.2(1)(d) & (e) – A report issued by an Accredited testing Laboratory – Cyclone Testing Station, James Cook University (NATA accreditation No. 14937) and a report from a professional engineer.
2. **Weatherproofing assessment:**
 - Volumes 1 & 2 – A2.2(2) / A5.2(1)(d) & (e) – A report issued by an Accredited testing Laboratory – Ian Bennie and Associates (NATA accreditation No. 2371) and a report from an appropriately qualified person.
3. **Fire Resistance assessment:**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(d) – An assessment report issued by an Accredited testing Laboratory – BRANZ Ltd (IANZ accreditation No. 37).
4. **Non-Combustibility (General Concessions):**
 - A. **Sarking-type material**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – Insulation Research Laboratory (NATA accreditation No. 993).
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – AWTA Product Testing (NATA accreditation No. 1356).
 - B. **Insulation material**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(e) – An assessment report from an appropriately qualified person – CSIRO.
 - Volumes 1 & 2 – A2.2(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – Insulation Research Laboratory (NATA accreditation No. 993).
5. **Fire Hazard Properties assessment:**
 - Volume 1 – A2.3(2) / A5.2(1)(e) – An assessment report from an appropriately qualified person – Warrington Australia Pty Ltd.
 - Volume 1 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – Insulation Research Laboratory (NATA accreditation No. 993).
 - Volume 1 – A2.3(2) / A5.2(1)(d) – A report issued by an Accredited testing Laboratory – AWTA Product Testing (NATA accreditation No. 1356).
6. **Resistance to Bushfire Attack assessment:**
 - Volumes 1 & 2 – A2.3(2) / A5.2(1)(f) – Another form of documentary evidence (assessment against specifications in referenced document – AS 3959:2018).

B2 Reports

Evaluation methods	Related Supporting Evidence as listed below
Structural Assessment	Numbers 1 – 3
Weatherproofing Assessment	Numbers 4 & 5
Fire Resistance assessment	Numbers 6 & 7
Non-Combustibility (General Concession)	Numbers 8 – 12
Fire Hazard Properties assessment	Number 13
Resistance to Bushfire Construction assessment	Number 14

Structure

- David Beneke Consulting, Engineering Report for Certification of CSR Surround Façade System by, Report 2013-28-LO-1002 (dated 17 July 2019).**
This document certifies the maximum top hat spans and spacings of Surround façade system in accordance with normal engineering practice and principals, test methods and the relevant Australian Standards.
- BRANZ, Durability opinion of CSR ExpressWall Metal Components, Report No. DZ0073 (dated 20 September 2004).**
This report determines that the metal components of the ExpressWall system would be expected to have a minimum service life of 15 years in ISO Category 4 (Severe Marine) or less severe environments.
- Cyclone Testing Station, James Cook University, Testing for Connection Testing for Cyclic Simulated Wind Load Strength Testing and Assessment of the Cyclic Wind Load Capacity of CSR Cemintel Creative Façade System, Report No. TS1055 Revision A (dated: 26 April 2017).**
This document contains the test results of a Cemintel Creative Façade (8mm & 9mm nominal thickness) sample for resistance to simulated cyclic wind load, carried out in accordance with AS 4040.3.

Weatherproofing

- Ian Bennie and Associates, Cemintel Creative Façade System Prototype Test to AS/NZS 4284:2008, Report No. 2016-108-S1 (dated 24 February 2017 amended 28 March 2017).**
This document contains the test results of the Cemintel Creative Façade System for Water Penetration, carried out in accordance with AS 4284:2008.
- AECOM, Weatherproofing Assessment for Cemintel Creative (now known as Surround) Facade System (dated 07 June 2019).**
This document confirms the compliance of this product with AS 4284:2008, based on the test results of Report No. 2016-108-S1, by Ian Bennie and Associates.

Fire Resistance

- BRANZ, Test Report for Fire Resistance of CSR Timber Framed Walls, Report No. FAR 2303 Issue 3 (dated: 24 December 2015).**
This document contains the test results of the CSR timber framed system for resistance to fire, carried out in accordance with AS 1530.4:1997.

7. BRANZ, Test Report for Fire Resistance of CSR Steel Framed Wall Systems, Report No. FAR 2357 Issue 12 (dated: 06 July 2017).

This document contains the test results of the CSR steel framed system for resistance to fire, carried out in accordance with AS 1530.4:2014.

Non-Combustibility (General Concession)

A. Sarking-type material

8. CSR Insulation Research Laboratory, Flammability Index Assessment of Bradford Thermoseal™ Wall Wrap, Test Report No. NR-17201 (dated: 1 May 2017).

This test report provides the test results of testing Bradford Thermoseal™ Wall Wrap to AS 1530.2 and returned a result of Flammability Index 1.

9. AWTA Product Testing, Test Report for Flammability Index of Enviroseal ProctorWrap (RW) Wall Wrap, test No. 17-000553 (dated: 17 February 2017).

This test report provides the test results of testing ProctorWrap residential wall (RW) to AS 1530.2:1993 and returned a result of Flammability Index 1.

10. AWTA Product Testing, Test Report for Flammability Index of Enviroseal ProctorWrap (CW) Wall Wrap, Test No. 16-006359 (dated: 12 December 2016).

This test report provides the test results of testing ProctorWrap commercial wall (CW) to AS 1530.2:1993 and returned a result of Flammability Index 1.

B. Insulation

11. CSIRO, Assessment Report for combustibility of Bradford Glasswool insulation batts, Assessment Number FCO-2812a (dated: 19 November 2015).

This report provides an assessment of Bradford Glasswool insulation batts and determined the product was not deemed combustible when tested to the requirements of AS 1530.1:1994.

12. CSR Insulation Research Laboratory, Combustibility Test of CSR Bradford Acoustigard Partition Rolls, Report No. NR-17002 (dated: 22 March 2017).

This report contains the results of testing CSR Bradford Acoustigard 32kg/m² Partition Rolls to AS 1530.1:1994 and determined the product was not deemed combustible when tested to the requirements of AS 1530.1:1994.

Fire Hazard Properties

13. Warringtonfire, Fire Hazard Properties Assessment Report of CSR Gyprock and CSR Cemintel fibre cement products, Report No. 45759 Revision 10.1 (dated 15 November 2019).

This report document the findings of the assessment undertaken to determine the likely fire hazard properties of the CSR wall and ceiling lining products and determined CSR plasterboard products and CSR Cemintel fibre cement panels are likely to achieve Group 1 classification if tested in accordance with AS ISO 9705:2003 (R2016) and assessed in accordance with AS5637.1:2015.

Resistance to Bushfire Attack

14. Cemintel® Construction Guide for Bushfire Areas (dated October 2019).

This guide provides information on Cemintel® wall cladding products and systems to meet the requirements of each BAL when assessed against specifications in AS 3959:2018.