

# Cemintel Cladding Sheet

Refer to product table below for applicable product codes covered by this document

Issue

A, 11/2023

## Product Type & Application

Cemintel Cladding Sheet is a 6mm thick fibre cement, square edge sheet available in a range of sheet sizes.

Cemintel Cladding Sheet is designed for use as external wall cladding for timber framed buildings:

- Within the scope of NZS3604:2011 Timber framed buildings and within the limitations of Acceptable Solution E2/AS1 External Moisture, Paragraph 1.1 with respect to building size and height.
- Located in any exposure zone (except adverse microclimate conditions) as defined in NZS3604:2011 (para 4.2.4).
- Located 1m or greater from a relevant boundary.
- When direct fixed (limited to where the E2/AS1 Risk Score is 0-6) situated in a NZS3604:2011 wind zone up to and including Very High.
- When fixed on a cavity (limited to where the E2/AS1 Risk Score is 0-20) situated in a NZS3604:2011 wind zone up to and including Extra High or by specific engineering design (SED) on timber framed construction complying with the NZBC provided the design ultimate limit state (ULS) differential wind pressure does not exceed 2.5kPa.

Cemintel Cladding Sheet is also suitable for use as an external ceiling or eaves lining. Refer to PTS for Cemintel Eaves Lining Sheet for NZ Building Code compliance details when used as an eaves or soffit lining.

## Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

**B1 Structure** B1.3.1, B1.3.2, B1.3.3 (f, h, j), B1.3.4 - Cemintel Cladding Sheet complies with the requirements of AS/NZS2908.2:2002 Cellulose cement products Part 2: Flat sheets. The mechanical properties required for compliance with AS/NZS2908.2 are sufficient to meet the applied loads by inference from E2/AS1 para 9.6.3 (a) that specifies compliance with this standard for external cladding.

**B2 Durability** B2.3.1 (b), B2.3.2(a) – Cemintel Cladding Sheet complies with the requirements of AS/NZS2908.2 Cellulose cement products Part 2: Flat sheets. The durability tests required for compliance to AS/NZS2908.2 (frost resistance, warm water, heat rain, soak dry) provide evidence of the durability of the product in service. The product also has significant in-service history of use.

**E2 External Moisture** E2.3.2, E2.3.5, E2.3.7 - Cemintel Cladding Sheet complies with the requirements of AS/NZS2908.2:2002 Cellulose cement products Part 2: Flat Sheets referenced in Acceptable Solution E2/AS1 External Moisture and the construction details specified align with the construction details in that Acceptable Solution.

**F2 Hazardous building materials** F2.3.1 - Cemintel Cladding Sheet does not contain any substance that will give rise to harmful concentrations at the surface of the material where the material is exposed or in the atmosphere of any space.

## Basis of Compliance

- SIRIM QAS International Test Report No 2019CB1447 24 October 2019 Testing on 6mm Cemintel Wallboard to AS/NZS 2908.2:2000
- Cemintel Safety data Sheet - Cemintel Fibre Cement, March 2018
- CETEC Emission Test Certificate August 2012
- Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020
- Cemintel Cavity Wall Cladding Systems Design and Installation Guide, May 2015 Cemintel External Cladding and Eaves Lining Design and Installation Guide, May 2018

## Conditions of Storage, Use & Maintenance

- All Cemintel sheeting must be stacked flat, off the ground, and supported on a level platform.
- Care must be taken to avoid damage to edges, ends and surfaces.
- Material must be kept dry, preferably by being stored inside the building. Where it is necessary to store sheets outside, they must be protected from the weather.

This Product Technical Statement is published in accordance with the Building Act 2004 Section 14g. It relates to this product when it is produced at a CSR approved facility in accordance with CSR Specifications and approved materials, is unmodified, and installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer. It relates to the provisions of the building code in effect at the date of issue of this Product Technical Statement.

## Cemintel Cladding Sheet

- Sheets must be dry prior to fixing, jointing and finishing.

Refer to the product warranty at [www.cemintel.co.nz](http://www.cemintel.co.nz) for more information.

### Limitations of Use

- Cemintel Cladding Sheet is unsuitable for the following applications: non-vertical framing (e.g. parapet capping), water features, chimney cladding, exposure to temperatures over 50°C, contact with standing snow or ice.
- This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.
- Seek technical advice from CSR Cemintel on application suitability if unsure.

### Specific Design or Installation Instructions

- Cemintel Cladding Sheet must be installed in accordance with the Cemintel External Cladding and Eaves Lining Design and Installation Guide, May 2018 or the Cemintel Cavity Wall Cladding Systems Design and Installation Guide, May 2015 as applicable.
- Purpose made uPVC sheet jointers must be used.
- Joinery used in conjunction with the system must:
  - Be installed with vertical jambs and horizontal heads and sills.
  - Meet the requirements of NZS 4211:2008 including amendment 1 for the relevant Wind Zone or design wind pressure.
- For both direct fix and cavity applications a wall underlay in accordance with Acceptable Solution E2/AS1 External Moisture Table 23 must be used.

For general installation guidance refer to the product literature at [www.cemintel.co.nz](http://www.cemintel.co.nz)

### Applicable Product Codes (SKU)

SKU	Description	Dimensions
10202	Cemintel Cladding Sheet	1200 mm (W) x 1800 mm (L) x 6 mm (D)
10203	Cemintel Cladding Sheet	1200 mm (W) x 2400 mm(L) x 6 mm(D)
10205	Cemintel Cladding Sheet	1200 mm (W) x 2700 mm(L) x 6 mm(D)
10206	Cemintel Cladding Sheet	1200 mm (W) x 3000 mm(L) x 6 mm(D)
10198	Cemintel Cladding Sheet	900 mm (W) x 2400 mm(L) x 6 mm(D)

CSR Cemintel, 14 The Furlong, Takapani, Auckland. For further technical advice call 0800 999 277/ visit [cemintel.co.nz](http://cemintel.co.nz)/ email [cemintel@csr.co.nz](mailto:cemintel@csr.co.nz)

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