

Cemintel Rigid Air Barrier

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

Issue

A, 11/2023

Product Type & Application

Cemintel Rigid Air Barrier is a 6mm fibre-cement sheet. It is sealed on the face and is orange in colour.

Cemintel Rigid Air Barrier is designed for use on timber or steel framed buildings with the following scope:

- within the scope of NZS3604:2011 Timber framed buildings or NASH Standard Part 2 Light steel framed buildings, and within the imitations of Acceptable Solution E2/AS1 External Moisture, Paragraph 1.1 with respect to building size and height
- be located 1m or greater from a relevant boundary in any exposure zone, (except adverse microclimate conditions) as defined in NZS3604:2011 (para 4.2.4).
- wind zones up to and including Extra High buildings specifically engineered, up to ULS design wind pressure of 2.5kPa
- Cemintel Rigid Air Barrier, and fixings, may be exposed to the weather for up to six months before being enclosed with the façade system. Tape used to seal joints or corners of openings should not be exposed to UV for more than 2 months.
- Cemintel Rigid Air Barrier may also be incorporated into external wall constructions where the building is located within 1m of the relevant boundary.
- Air barriers must be effectively sealed at all perimeters, openings and joints.

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 Rigid Air Barrier 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 mechanical strength properties for rigid air barriers specified in Acceptable Solution E2/AS1 External Moisture Table 23.

B2 Durability B2.3.1 (a), B2.3.2(a) – Cemintel Rigid Air Barrier complies with the requirements of AS/NZS2908.2:2002 Cellulose cement products Part 2: Flat sheets. The durability tests required for compliance with 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 a significant in-service history of use.

E2 External Moisture E2.3.2, E2.3.5, E2.3.7 - The properties of Cemintel Rigid Air Barrier meet the requirements of Acceptable Solution E2/AS1 External Moisture Table 23 for rigid air barriers, and is suitable for use with absorbent and non-absorbent claddings fixed directly or over a cavity.

F2 Hazardous building materials F2.3.1 - Cemintel Rigid Air Barrier 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
- CSIRO Test Report No 8188A ASTM E96 Test for water vapour transmission of materials, February 2019
- Cemintel Safety data Sheet - Cemintel Fibre Cement, March 2018
- CETEC Emission Test Certificate August 2012
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019
- 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 Rigid Air Barrier New Zealand Design and Installation Guide, June 2022

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.

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.



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

Refer to the product warranty at www.cemintel.co.nz for more information.

Limitations of Use

- 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 Rigid Air Barrier must be installed in accordance with the Cemintel Rigid Air Barrier New Zealand Design and Installation Guide, June 2022

For general installation guidance refer to the product literature at www.cemintel.co.nz

Applicable Product Codes (SKU)

SKU	Description	Dimensions
452432	Rigid Air Barrier	1200 mm (W) x 2450 mm (L) x 6 mm (D)
170076	Rigid Air Barrier	1200 mm (W) x 3000 mm (L) x 6 mm (D)

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