

Product Technical Statement

Product: Cemintel Cladding Sheet

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

Purpose and Scope of Use: 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.

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).

Conditions: Cemintel Cladding Sheet must be installed in accordance with the Cemintel External Cladding and Eaves Lining Design and Installation Guide.

- 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.

NZ Building Code Compliance: When used as described above, Cemintel Cladding Sheet meets the following relevant performance requirements of the New Zealand Building Code.

Clause B1 Structure: Performance Clauses B1.3.1, B1.3.2, B1.3.3 (a, f, h, j), B1.3.4

Basis of Compliance: 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.

Related Documents:

- SIRIM QAS International Test Report 2019CB1447 October 2019 Tests to AS/NZS2908.2:2002 Cellulose cement products Part 2: Flat sheets.
- Acceptable Solution E2/AS1 External Moisture.

Clause B2 Durability: Performance Clauses B2.3.1 (b), B2.3.2 (a)

Basis of Compliance: 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.

Related Documents:

- SIRIM QAS International Test Report 2019CB1447 October 2019 Tests to AS/NZS2908.2:2002 Cellulose cement products Part 2: Flat sheets.

Clause E2 External Moisture: Performance Clauses E2.3.2, E2.3.5, E2.3.7

Basis of Compliance: 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.

Related Documents:

- SIRIM QAS International Test Report 2019CB1447 October 2019 Tests to AS/NZS2908.2:2002 Cellulose cement products Part 2: Flat sheets.
- Acceptable Solution E2/AS1 External Moisture.

Clause F2 Hazardous Building Materials: Performance Clauses F2.3.1

Basis of Compliance: 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.

Related Documents:

- CETEC Emission Test Certificate (August 2012)
- Cemintel Fibre Cement Safety Data Sheet.

Technical and Installation Literature:

- Cemintel External Cladding and Eaves Lining Design and Installation Guide.
- Cemintel Cavity Wall Cladding Systems Design and Installation Guide.