Cemintel Surround External Cladding System

TABLE OF CONTENTS

Specification Details 2
Clauses 2
- Scope 2
- Cemintel Surround External Cladding System 3
- Requirements 6
- Ancillary Components & Accessories 7
- Co-operation 8
- Workmanship 9
- Delivery & Handling 9
- Preparation 10
- Installation 10
- Fixing 11
- Primers & Sealant 12
- Completion 12

Compliances 13

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1 Specification Details

Trade Sections: Carpentry
Description: External cladding system
Keywords: Carpentry, cladding, decorative cladding, external cladding, fibre cement, fibre-cement, fibre cement sheet, external lining, cavity lining, cemintel, Cemintel, CSR, CSR Hebel, csr, state of clad, stat of clad

2 Clauses

2.1 Scope

Help Note:
Designer Note:

Refer to Codemark certificate - CMNZ25002.

This specification covers CSR Cemintel Surround Cavity Cladding system which is installed in an external location.

For support on any aspects of the specification, contact CSR Cemintel on 0800 999 277.

2.1.1 Scope:

Supply and install Cemintel Surround External Cladding System, as specified herein, to the locations and details shown on the design drawings, complete with all necessary components and accessories required for proper installation and performance. All aspects of this work shall comply with the NZ Building Code, related Cemintel Surround External Cladding System technical literature and publications (check https://www.cemintel.co.nz, or email orders@csr.co.nz, or call 0800 999 277 for the latest editions), and other relevant product manufacturers' recommendations.

No substitutions are permitted for Cemintel Surround External Cladding System.

For the purpose of this specification, the 'Cladding System' is referred to as 'Cemintel Surround External Cladding System' and all 'CSR Cemintel' associated technical literature and publications, including the Product Technical Statement, installation instructions and drawings, are collectively referred to as the 'Technical Literature'.

Cemintel Surround External Cladding System is designed for residential and commercial buildings as an external cladding system. The system incorporates a pressure equalised ventilated cavity system, panel mounting frame and square edged cement bonded fibrous wood cladding panels with a pre-finished texture applied to the front face.

Extent of work:

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The following is a list and/or general description of the extent of the Cemintel Surround External Cladding System works, which are more specifically defined in the contract documents, required for the completion of the contract works:

2.2 Cemintel Surround External Cladding System

Help Note:
Designer Note:

Exposure zones:

Product and product finish should be specified based on NZS3604:2011 durability zones & reference to AS/NZS 2728:2013 for the appropriate Environmental Category in which the project is situated:

NZS3604:2011 Exposure zones (refer to maps):

- Zone B- Inland areas with little risk from wind blown sea-spray salt deposits.
- Zone C- Inland Coastal areas with medium risk from wind blown sea-spray salt deposits.
- Zone D - Coastal areas with high risk of wind blown sea-spray salt deposits. Defined as within 500 metres of the sea including harbours, or 100 metres from tidal estuaries and sheltered inlets. Includes nominated off shore islands.

Microclimates (refer NZS3604:2011) paragraph 4.2.4 are outside the scope of this cladding system.

Wind Zones:

Product and product finish should be specified based on:
- NZBC – E2/AS1, paragraph 1.1 for building height & floor plan area.
- For buildings situated in wind Zones up to and including Extra high on either:

    - Timber Frame in accordance with NZS 3604:2011
    - Steel Frame in accordance with NZS3404:2009 Part 1 and NASH standard – residential and low-rise steel framing Part 1: Design criteria 2005.
    - Masonry Structures in accordance with NZS 4229:2013

- Maximum wind loads of ULS +6.0 to -6.0 KPA.

- Building height is limited to < 25 metres.

Refer to ‘CSR Cemintel’ for further technical assistance.

2.2.1 Cemintel Base Cladding Panel:

Cemintel Surround External Cladding System with ‘Base - Blueish' type panel - 1200mm wide x 8mm thick, square edged compressed fibre cement panel with pre-finished textured finish fixed to specified wall system with proprietary components.