Specialized Construction Products Ltd Caviteclad EPS

Product Technical Statement: 10012

Lightweight polystyrene panels over cavity, finished with painted reinforced plaster View miproducts listing



Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



Specialized Construction Products Ltd confirms that this minimum level of assurance has been met or exceeded by the following: **BRANZ** Appraisal 510 (2019)

Technical Statement

Scope of use

Cavitectad is suitable for external wall cladding:

- within the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
- · constructed with timber framing complying with the NZBC; and,
- with a risk score of 0-20, calculated in accordance with NZBC Acceptable Solution E2/AS1, Table 2; and.
- situated in NZS 3604 Building Wind Zones up to, and including 'Very High'

Buildings or parts of buildings outside the scope of NZS 3604 must be to a specific design in accordance with NZS 3603 and AS/NZS1170.

Caviteclad must only be installed on vertical surfaces (except for tops of parapets, sills and balustrades, which must have a minimum 10° slope and be waterproofed in accordance with the technical literature)

The use of the Caviteclad PVC sill and PVC Jamb flashings are mandatory.

For full technical requirements refer to the Technical literature

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability: Performance B2.3.1(b), B2.3.1(c)
- Clause E2 External moisture: Performance E2.3.2
- Clause F2 Hazardous building materials: Performance F2.3.1

Notes

- B1.3.3 Caviteclad EPS meets the requirements for loads arising from (a) self-weight, (h) wind, (j) impact and (g) (creep)
- B2.3.1(b) Durability 15 years applies to the cladding and plaster finish
- B2.3.1(c) Durability 5 years applies to the exterior paint system

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



Product Criteria

Design requirements

Studs must be set out at 600 mm maximum centres for buildings designed to NZS 3604 in Wind Zones up to and including Very High, and at 400 mm maximum centres for buildings situated in NZS 3604 Wind Zone Extra High and specifically designed buildings situated in Wind Zones above NZS 3604 defined Extra High.

Installation requirements

Installation of components and accessories supplied by Specialized Construction Products Ltd, its certified distributors and certified plasterers must be carried out only by Specialized Construction Products Ltd certified plasterers.





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Company Contact Details



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For full installation requirements refer to the <u>Technical literature</u>

Maintenance requirements

Regular maintenance is essential to ensure the performance requirements of the NZBC are continually met and to ensure the maximum serviceability of the system. Regular cleaning (at least annually) of the paint coating is required to remove grime, dirt and organic growth and to maximise the life and appearance of the coating. Grime may be removed by brushing with a soft brush, warm water and detergent.

Paint systems must be recoated at approximately 5-8 yearly intervals in accordance with the paint manufacturer's instructions.

Annual inspections must be made to ensure that all aspects of the cladding system, including the coating system, plaster, flashings and any sealed joints remain in a weatherproof condition. Any cracks, damaged areas or areas showing signs of deterioration which could allow water ingress, must be repaired immediately. The Caviteclad system must be repaired in accordance with the instructions of Specialized Construction Products Ltd.

Company Product Information

Relationships



New Zealand Made

Date last validated: 07 July 2020

Date last updated: 07 July 2020

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