

Resene Construction Systems Insulated Facade System - Graphex

Product Technical Statement: 103477



This system consists of a 40mm or 60mm Neopor board with a 5 - 6mm plaster coating & paint

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Resene Construction Systems confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ Appraisal

[633](#)

Technical Statement

Product Description

The Insulated Façade System is a cavity-based exterior insulation and finishing system (EIFS) wall cladding. It is an external wall cladding system for residential and light commercial type buildings where domestic construction techniques are used.

The system consists of Graphex (Neopor®), expanded polystyrene (EPS), extruded polystyrene (XPS) or polyisocyanurate (PIR) sheets fixed over battens to form the cavity. The plaster coating system consists of 5 mm thickness of fibreglass mesh reinforced, polymer-modified, cement-based plaster, which is finished with a cement-based finishing plaster that is then painted with a 100% acrylic-based paint system. The chosen finishing plaster is applied to give a range of different appearances, such as a sponge, patterned, adobe or spray textured finish.

The system incorporates Resene Construction Systems EdgeSeal joinery flashings. It also incorporates a primary and secondary means of weather resistance (first and second line of defence) against water penetration by separating the cladding from the external wall framing with a nominal 20 mm drained cavity.

Scope of use

Installed on Timber frame or steel frame construction

Graphex Cavity System has been appraised as an external wall cladding system for buildings within the following scope;

- The scope limitations of NZBC Acceptable Solution E2/AS1, paragraph 1.1; and,
- Constructed with timber frame 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 Wind Zone up to and including 'Extra High'

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, B1.3.4
- **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

Durability applies 15 Years for the cladding system and plaster finish, and 5 years for the exterior paint system

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

The Graphex Insulated Facade System is a cavity-based Exterior Insulation and Finishing (EIFS) wall cladding. It is designed to be used as an external cladding system for residential and light commercial type buildings where domestic construction techniques are used.

Supporting Evidence

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

BRANZ Appraisal

masterspec partner

Company Contact Details



Company: Resene Construction Systems

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Product Criteria

Design requirements

Installation requirements

Installed by a LBP tradesman and a Resene Construction Systems Registered Plasterer

Maintenance requirements

Carry out an annual inspection and record this on the Resene Construction Systems Maintenance guide. For best results use Resene Paint Prep and Housewash liquid concentrate. Apply the diluted solution with a soft broom, and wash off with copious amounts of fresh water. Most detergents have a detrimental effect on fish life so avoid letting the washings run off into the storm-water system. DO NOT use harsh solvent based cleaners.

Company Product Information

Relationships



New Zealand Made



Member of New Zealand Green Building Council



Date last validated: **12 January 2021**



Date last updated: **12 January 2021**

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