Acronem Consulting Australia Pty Ltd

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Etex Australia Pty Ltd
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New Zealand

STONESHEET® STONE TILE SUBSTRATE- Independent Assessment

This document represents an independent assessment verifying product information by competent assessors including a technical expert and recognised testing laboratories. It is intended to fulfil product assurance requirements showing how this product complies with the Building Code. Technical expertise is established on the basis of qualification, experience and testing at recognised testing laboratories.

This assessment is based on the test reports and other documentation as referenced. Whilst the responsibility for the accuracy and applicability of these documents remains with their authors, I am of the opinion that such documentation has been prepared on a sound basis.

This report covers only those matters and products listed and should not be interpreted as covering any other matter or product. The capacity of the structural framing, connections to structural framing, adhesive capacity to Stonesheet are specifically excluded from this assessment.

Description and Intended Use:

Stonesheet is a is a 9mm thick fibre cement sheet recommended as a backing board for stone slip substrates for external/internal wall cladding applications on NZS 3604 compliant buildings.

Relevant Building Code Clauses:

I am of the opinion that Stonesheet, if designed, used, installed and maintained in accordance with the statements and limitations of this assessment will contribute to meeting the following provisions of the NZBC (Building Code):

Clause B1 – STRUCTURE – Performance B1.3.1, B1.3.2, B1.3.3 (a), (b) & (h) and B1.3.4.

Clause B2 – DURABILITY – Performance B2.3.1 (b), B2.3.2.

Clause E2 – EXTERNAL MOISTURE – Performance E2.3.2.

Clause F2 – HAZARDOUS BUILDING MATERIALS – Performance clauses F2.3.1.

Statement on how the building product is expected to contribute to performance:

B1.3.1, B1.3.2, B1.3.3 (a), (f), (h) and (j) and B1.3.4: This product has a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during construction or alteration and throughout its life. This product has a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout its life and during construction or alteration when the building is in use. This product is designed to withstand those combinations of loads it is likely to experience during construction or alteration and throughout its life. This product is designed to resist self-weight, imposed gravity, and wind actions arising from use. It is not intended to provide resistance to other actions which must be resisted by the wall structure to which it is affixed.

B2.3.1 (b), B2.3.2: This product, with only normal maintenance, will continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or for the life of the building, being not less than 50 years. This product is a component of an external wall system and shall be used with other products in applications that have the same durability.

E2.3.2: This product will prevent the penetration of water that could cause undue dampness, damage to building elements, or both.

F2.3.1: This product will not emit quantities of gas, liquid, radiation or solid particles, it will not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

Limitations on the use of the building product:

Stonesheet shall be designed, used, installed and maintained in accordance with the conditions of this independent assessment including;

1. Installation in accordance with Stonesheet Technical Specification, June 2025, and
2. Stonesheet is assessed for use as part of an external wall cladding system on buildings;
    a. designed in accordance with NZS 3604, up to Wind Zone EH, providing support at maximum 600mm spacing; and
    b. compliant with E2/AS1 that includes the application of a waterproof sealer to the external face of the Stonesheet, and
    c. incorporates a Building Code compliant weather resistive barrier system between Stonesheet and the wall frame.

Basis of Assessment:

Manufacturers Documentation:
- Stonesheet Technical Specification, June 2025
- Stonesheet Mix Specification (PA-T), (ref: FCP-MXT-1-PAR-005)
- Stonesheet Mix Formulation (PA-T), (ref: FCP-MXT1-PAR-003)
- Stonesheet Mixing Formula (PA-T), (ref: SFM-RD-129)
- Innova Fibre Cement SDS, September 2024, https://innovafibrecement.co.nz/wp-content/uploads/2023/07/Innova-NZ-Fibre-Cement-SDS-Sep-2024.pdf

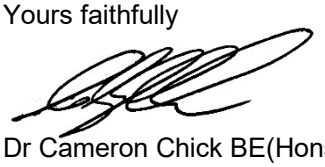
Recognised Testing Laboratories:
- BRANZ Test Report DC16150-002-2, (AS/NZS 2908.2, PA-T Mix, Type Tests (Mean Bending Strength (Equil./Wet), Water Permeability, Soak-Dry Testing, Freeze-Thaw Susceptibility, Warm Water Soaking)
- Ian Bennie Associates, Test Report No. 2023-062-S3, (Ultimate/strength limit state test wall Wind Load Tests by the methods of AS:4040.2-1992(R2016)
- Mahaffey Associates, Job Number 20620, (Longitudinal Interlaminar Shear Strength)

Other Investigations:
- Acronem Consulting Australia, Report No: ACA – 250402 240827, (Structural Performance, 600/200/2.2)
- Acronem Consulting Australia, (Wind Load Fixing Table 250220, EH/600/200/2.36, ref: BRANZ ST1136, Table 1)

Sources of Information:
- NZS 3604:2011 Timber-framed buildings
- The Building Regulations 1992
- The Building Act 2004

Please contact the undersigned should you have any questions regarding this information.

Yours faithfully



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for and on behalf of Acronem Consulting Australia Pty Ltd