

PRODUCT TECHNICAL STATEMENT

Product Description saveBOARD Exposed is a semi vapour permeable structural composite panel made from 99% recycled materials.

The core of the product is made from shredded and compressed composite packaging and soft plastics.

saveBOARD does not use glues, resins or other such biological or environmentally harmful products during manufacture. saveBOARD does not create harmful dust, vapours, or other potentially harmful Volatile Organic Compounds (VOC's) during installation or in-service use.

Exposed is finished with a recycled LDPE face and a recycled paper back.

Exposed is manufactured in New Zealand for exclusive use in New Zealand & Australia.

Please refer to Codemark Certification CMNZ70148 for compliance with relevant performance clauses of New Zealand & Australian Building Codes/Permits.

Panel sizes are as follows:

- 2400 mm x 1200 mm x 10 mm
- 2700 mm x 1200 mm x 10 mm
- 3000 mm x 1200 mm x 10 mm

Custom cut length between 2400-3000mm available.

Scope of Use For use as an internal wall or ceiling lining and structural bracing when installed in accordance with the saveBOARD Installation Guide.

Exposed is a pre-finished wall or ceiling lining and comes cut into standard grid ceiling tiles

For use as an internal wall or ceiling lining in residential or commercial applications.

High impact resistance.

For use up to and including Extra High wind zones and in specific engineering design projects.

Designed for use on a timber frame.

Warranty 15 years

Limitations / Disclaimer Not suitable in wet areas.

For internal use only.

Wind Zone up to and including Extra High or to Specific Engineered Design (S.E.D)

When being stored, must be protected from moisture as per saveBOARD Storage and Handling Instructions.

<p>Compliance with the New Zealand Building Code</p>	<p>saveBOARD Exposed when specified as an internal wall lining and installed in accordance with the Exposed Installation Guide, contributes to meeting the following provisions of the NZ Building Code:</p>
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B1 Structure

Clause B1 Structure: Performance

Performance Clauses B1.3.1, B1.3.1, B1.3.2, B1.3.3(b, f, h, j), B1.3.4

saveBOARD Exposed has demonstrated appropriate structural properties through testing and comparison with Acceptable Solution B1/AS1 and referenced standard NZS3604:2011

Refer to Codemark Certification CMNZ70148 for supporting documentation

B2 Durability

Clause B2 Durability:

Performance Clauses B2.3.1(a), B2:3.2

saveBOARD Exposed has demonstrated appropriate Durability properties by testing and comparison with Verification Method B2/VM1

Exposed achieves NZBC B2 Durability requirements as part of a combined system reliant upon other building products.

Refer to Codemark Certification CMNZ70148 for supporting documentation

C3 Fire affecting areas beyond the fire source

Clause C3 Fire: affecting areas beyond the fire source

Performance Clause C3.4(a)

saveBOARD Exposed C3 Compliance has been verified by testing and comparison with Acceptable Solutions C/AS1 and C/AS2

saveBOARD has been tested and independently verified as **Material Group Number 3** in accordance with AS/NZ 3837:1998.

Refer to Codemark Certification CMNZ70148 for supporting documentation

E3 Internal moisture

Clause E3 Internal Moisture

Performance Clauses E3.3.1 (contributes to), E3.3.4, E3.3.5

saveBOARD Exposed has demonstrated E3 Internal moisture compliance by testing and comparison with Acceptable Solution E3/AS1

Refer to Codemark Certification CMNZ70148 for supporting documentation

F2 Hazardous building materials

Clause F2 Hazardous Building Materials:

Performance Clause **F2.3.1**

saveBOARD Exposed meets the requirements of F2.3.1. by comparison with the performance requirements of the Building Code clause F2.3.1

Refer to Codemark Certification CMNZ70148 for supporting documentation

saveBOARD does not use glues, resins or other such biological or environmentally harmful products. During construction, or in-service use, saveBOARD does not create harmful dust, vapours, or other potentially harmful Volatile Organic Compounds (VOC's).

Exposed has A [DECLARE](#) label and as such, is approved for use in Living Building Challenge builds.

H1 Energy efficiency

Clause H1 Energy Efficiency:

Performance Clause H1.3.1 (b) (contributes to)

saveBOARD Exposed has demonstrated H1 Energy efficiency by comparison with Acceptable Solution E2/AS1

Refer to Codemark Certification CMNZ70148 for supporting documentation

saveBOARD Exposed Properties	
Thickness	10mm
Width, Standard	1200mm
Length, Standard	2400mm
Pieces Per Pallet	35
Density, Nominal kg/m3	750
Density Nominal kg/m2	7.5
Fire- Resistance UL 790 – ASTM E108	Class A
Fire Group Number – AS3837	3
Mould Resistance – ASTM D3273	10
VOC Emissions - ASTM D5116	<0.003 mg/m2/hr

Formaldehyde Emission ASTM D5116	<0.013 mg/m2/hr
Permeability – ASTM E96	12.5
Fastener Pull-Resistance	525 lbf
Water Absorption (Immersion) % Max – ASTM C473	3.9
Water Absorption (Surface) % Max – ASTM C473	2.8
Acoustic ASTC34-3001	30Db

Quality Assurance

saveBOARD's Quality Assurance process and records are independently audited by a third-party product appraisal organisation.

The Third-party organisation have demonstrated/accredited knowledge of the Building Code and building science, and carry out appropriate sample analysis and reporting on;

- Regular inspections, testing and monitoring of properties to ensure the product conforms during manufacturing.
- Periodic inspections, observations to ensure the product continues to meet the performance requirements when in use.

Not Perfect

Exposed is made from 99% recycled composite packaging.

saveBOARD products have a dimensional tolerance of + / - 1mm and a weight tolerance of +/- 10%.

Air bubbles and creases may appear of the paper back.

These characteristics do not affect the performance of the product in any way.

Further detail and instruction on how to address these characteristics can be found on the website www.saveboard.nz/not_perfect or in the installation guide.

Sustainability

No raw materials are extracted to use in the manufacture of saveBOARD product. All saveBOARD product is manufactured in New Zealand or Australia from 99% locally sourced and recycled composite packaging and soft plastics

Every panel of Exposed will divert approximately 25kgs of waste from landfill

No water, glues, resins or additives are used in the production process.

The Embodied Energy (calculated Cradle to Gate) of Exposed is .85Mj/kg, 0.11kgCO2/kg material

Exposed has a [DECLARE](#) label and is deemed suitable for use in Living Building Challenge

Product Stewart Program- site off cuts can be returned to saveBOARD to be reused in the manufacture of new product

End of Life - saveBOARD product can be returned at End of Life to be reused in the manufacture of new product

VOC and formaldehyde free. No toxic or harmful dust or vapours are created during installation of saveBOARD products

saveBOARD is a member of the NZGBC

saveBOARD is Eco Choice Aotearoa Certified

saveBOARD will earn, or contribute to earning, Greenstar Credits and Homestar Points

Installation Requirements

saveBOARD Exposed when used as an internal wall or ceiling lining must be installed in accordance the NZBC and the saveBOARD Exposed Installation Guide or details provided by a Licensed Building Practitioner. Check all sealants and adhesives are compatible with saveBOARD Exposed.

Installation information

The installation guide can be found on the saveBOARD website www.saveboard.nz in written or video instructions

Service Life

saveBOARD Exposed will continue to satisfy the relevant performance requirements of the NZBC for 50 years if all the requirements set out in this Product Technical Statement and the specific design parameters of the project are met.

Maintenance Requirements

Exposed will not normally require maintenance as an internal wall or ceiling lining if installed as per the Installation Guide.

Product Support

All documents relating to compliance, case studies, specification, installation, maintenance and warranty can be found on the website www.saveboard.nz

saveBOARD has technical experts available to assist with any product enquiries. You can contact the team via the contact details on the website.

Legal Disclaimer

The information contained in this document is current as of May 2024 and is based on data available at the time of going to print.

saveBOARD reserves the right to change the information contained in this document without prior notice. It is your responsibility to ensure that you have the most up to date information available. You can contact the team via the contact details on the website.

saveBOARD has used all reasonable endeavours to ensure the accuracy and reliability of the information contained in this document. However, to the maximum extent permitted by law, saveBOARD assumes no responsibility or liability for any inaccuracies, omissions, or errors in this information nor for any actions taken in reliance on this information.