

PRODUCT TECHNICAL STATEMENT

saveBOARD – Multi-use Version November 2023 V1:1

Product Description

saveBOARD Multi-use panels is a unique structural composite panel made from 100% recycled materials.

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

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).

Multi-use panels are designed for use with aluminium ceiling grid systems (surface mounted and suspension) is finished with clear LDPE plastic transparent film face and a recycled paper back.

Multi-use panels are manufactured in New Zealand & Australia for exclusive use in both countries. Please refer to the saveBOARD Product Assurance Supplier Statement for compliance with relevant performance

Scope of Use

As an internal wall lining or partition in ventilated industrial spaces (ie sheds/warehouses)

As a wall bracing element - installation must be in accordance with Scion P21 test assembly, detailed in this guide under "Installation Bracing Wall"

On timber or steel framing

In wind zones up to and including Extra High as defined in NZS 3604:2011.

In earthquake zones as defined in NZS 3604:2011.

Where Materials Group 3 is required.

Limitations

Not suitable for wet areas as defined by the NZBC E3.

Not recommended in confined spaces (made from post-consumer waste which creates a slight odour)

Do not use in permanent exterior applications (can be used as a temporary hoarding).

Check compatibility with any glues, resins sealants or building wraps to be used in conjunction with Multi-Use

Framing to be at a moisture content < 16% before internal linings are applied. This is a saveBOARD warranty requirement.

Compliance with the New Zealand Building Code

Multi-use panels specified as an internal lining and installed in accordance with the Multi-use panels Installation Guide, contributes to meeting the following provisions of the NZ Building Code:

B1 Structure **Clause B1 Structure:** B1.3.1, B1.3.2, B1.3.3 (a, b, c, e, f, i, j, l, m, o, r) B1.3.4 (a, b, c, d, e)

saveBOARD Multi-use panels has demonstrated appropriate structural properties and has been assessed as an: ALTERNATIVE SOLUTION.

Please refer to www.saveBOARD.nz & www.saveBOARD.com.au for current test certification.

B2 Durability **Clause B2 Durability:** B2.3.1 (a), B2.3.2 (a)

saveBOARD Multi-use panels has been assessed as an: ALTERNATIVE SOLUTION. If Multi-use panels is appropriately stored and used in accordance with good building practices and the Multi-use panels Installation Guide, it will comply with the requirements of the NZBC B2.

Multi-use panels achieves NZBC B2 Durability requirements as part of a combined system reliant upon other building products.

C3 Fire affecting areas beyond the fire source **Clause C3 Fire: C3.4(a)**

saveBOARD Multi-use panels is manufactured to meet the requirements of the NZBC Clause C3.4 for use in buildings where material Group 3 or less applies

Clause C3 Fire - Spread of flame Group Number

saveBOARD Multi-use panels has been tested and under AS5637.1 is determined to be a Material Group Number 3. Multi-use panels cannot be used when Clause C3.4(a) of the Building Code requires a surface finish material of less than material Group 3.

F2 Hazardous Building Materials **Clause F2 Hazardous Building Materials: F2.3.1**

saveBOARD Multi-use panels meets the requirement of NZBC F2 and the performance requirement of F2.3.1.

No harmful chemical treatment is used in the manufacturing process.

It does not present a health hazard to people (during construction and building use).

No harmful dust or gases are released.

E3 External Moisture **Clause E3.3.1, E3.3.4, E3.3.5**

saveBOARD Multi-use panels has been assessed as an: ACCEPTABLE SOLUTION E2/AS1 TABLE 23

Please refer to www.saveBOARD.nz & www.saveBOARD.com.au for current test certification.

Standard Panel Sizes

- 2400 mm x 1200 mm x 12 mm (+/-1mm) weight 31kg (+/- 10%)
- 2700 mm x 1200 mm x 12 mm (+/-1mm) weight 34 kg (+/- 10%)
- 3000 mm x 1200 mm x 12 mm (+/-1mm) weight 37 kg (+/- 10%)

Custom, cut to length is available between 2400 – 3000mm in length

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

saveBOARD products are made from 100% recycled waste and as such are not perfect. The dimensional tolerance is + / - 1mm and the weight + / - 10%/sheet.

The surface of Multi-use panels may have vein or press marks, the paper backing may have creases and some air bubbles may be evident. Instructions on how to address these characteristics can be found online [Not Perfect | saveBOARD – Sustainable Building Materials](#) or in the Installation Guide.

The colour will vary slightly from batch to batch due to the varying nature of the raw materials to manufacture saveBOARD, namely recycled waste. The colour may also vary slightly from a sample.

These are standard characteristics of a saveBOARD product.

Sustainability

All saveBOARD product is manufactured in New Zealand or Australia from 100% locally sourced and recycled composite packaging and soft plastics.

Every Multi-use panels will divert approximately 2-5kgs of waste from landfill

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

The embodied carbon (calculated Cradle to Gate) of Multi-use panels is .85Mj/kg, 0.11kgCO₂/kg material

Circular Economy – site waste, or customer waste can be used to manufacture the panels to be used in the build

Multi-use panels has a DECLARE label and is deemed suitable for use in Living Building Challenge

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

saveBOARD is a member of the NZ & AU Green Building Council

Green Star credits can available with the use of saveBOARD products

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