

## **PRODUCT TECHNICAL STATEMENT**

saveBOARD – betterJOINERY Version November 2023 V1:1

### **Product Description**

saveBOARD betterJOINERY 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).

betterJOINERY is designed for use with aluminium ceiling grid systems and are finished with clear LDPE plastic transparent film face and a recycled paper back.

betterJOINERY sheets 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**

Where cutting or machining with CNC machine is required.

High impact surfaces – cabinet doors, desks, table and counter tops.

Target market is retail and commercial applications.

Where Materials Group 3 is required.

### **Limitations**

Not suitable for wet areas.

Not suitable for kitchen benchtops

Do not use in exterior applications.

Not suitable for spans greater than 600mm without secondary framing.

Check compatibility with the manufacturer of any glues, resins or sealants to be used in conjunction with betterJOINERY.

### **Compliance with the New Zealand Building Code**

betterJOINERY specified as an internal joinery product and installed in accordance with the betterJOINERY Installation Guide, contributes to meeting the following provisions of the NZ Building Code:

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

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

betterJOINERY 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 betterJOINERY 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 betterJOINERY has been tested and under AS5637.1 is determined to be a Material Group Number 3. betterJOINERY 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 betterJOINERY 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.

Please refer to [www.saveBOARD.nz](http://www.saveBOARD.nz) & [www.saveBOARD.com.au](http://www.saveBOARD.com.au) for current test certification.

**Standard Panel Sizes**

2400 mm x 1200 mm x 12 mm (+/-1mm) weight 30kg (+/- 10%)

2400 mm x 1200 mm x 15 mm(+/-1mm) weight 35kg (+/- 10%)

2700 mm x 1200 mm x 12 mm (+/-1mm) weight 33 kg (+/- 10%)

2700 mm x 1200 mm x 15 mm (+/-1mm) weight 38kg (+/- 10%)

3000 mm x 1200 mm x 12 mm (+/-1mm) weight 36kg (+/- 10%)

3000 mm x 1200 mm x 15 mm(+/-1mm) weight 41kg (+/- 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 betterJOINERY 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 betterJOINERY 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 betterJOINERY is .85Mj/kg, 0.11kgCO<sub>2</sub>/kg material

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

betterJOINERY 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