

## Paperfaced internal lining Installation Guide New Zealand



### Product Description

saveBOARD Paperfaced internal wall and ceiling lining is a semi vapour permeable structural composite panel made from 100% shredded and compressed composite packaging. No water, glues, resins are used during the manufacture process. saveBOARD Paperfaced is finished with a recycled paper front and back.

Manufactured in Hamilton, New Zealand and Sydney, Australia

### 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 Paperfaced may have veins or press marks, the paper 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

These are standard characteristics of a saveBOARD product.

### Scope of Use:

- As an internal wall lining or partition or a ceiling lining.
- As a wall bracing element - installation must be in accordance with Scion P21 test assembly, detailed in this guide under "Installation Bracing Wall"
- On a timber frame
- 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.
- Do not use in exterior applications.
- Check compatibility with any glues, resins sealants or building wraps to be used in conjunction with Paperfaced.
- Framing to be at a moisture content < 16% before internal linings are applied. This is a saveBOARD warranty requirement.

### Handling

When manually handling saveBOARD Paperfaced ensure the panels are lifted correctly. For safety, we recommend a minimum of 2 people.

### Storage

Store internally only. Lay flat on suitable bearers. The spacing between the bearers should be no more than 600mm apart.

It is good to trade practice to allow sheet materials to climatize to the site conditions for 48 hours prior to Installation.

### Maintenance & Warranty

Please refer to the Maintenance & Warranty (15yrs) documents on the saveBOARD website [www.saveBOARD.nz](http://www.saveBOARD.nz)

### Installation Instructions:

#### Working safely with saveBOARD

All saveBOARD products are safe to work and live with. All saveBOARD products are Volatile Organic Compounds (V.O.C.'s) and formaldehyde free.

saveBOARD can be cut, drilled, and sanded in the same manner and methods as most wood-based products.

Cutting saveBOARD does not create any toxic dust, vapors, or other potentially harmful inhalants, but we recommend you always follow Health & Safety best practices.

A Material Safety Data Sheet is available on the website [www.saveBOARD.nz](http://www.saveBOARD.nz)

#### Cutting & Drilling

saveBOARD Exposed can be cut in the same manner and methods as most wood-based products with a hand saw or power tools.

For handsaw cutting, a standard 500mm Handsaw with a > 7 Teeth Per Inch (T.P.I.) is suitable.

Power tools; a circular saw with > 1200w motor fitted with a standard ripping blade > 40 Teeth is recommended

Clean up the cut with a sandpaper block/ 80 Grade sandpaper or as required

**T.I.P.** – Allow the hole saw to cut. Do not apply excessive pressure as this may damage the back of the board upon exit.



## Framing

All support timber framing should comply with NZS 3604 or comply with the Specific Engineering Design (S.E.D.) requirements. 90 x 45mm is the minimum timber framing size recommended for saveBOARD

### Installing on to Walls

Install the boards vertically and plumb at maximum 600mm centres, ensuring that the sheet edges have a minimum of 18 mm edge cover over the framing. Install with a 6 mm–10 mm clearance above the finished floor level when skirting boards are to be used. Ensure all wall insulation is installed back or flush from the framing face to be lined.

On a timber frame use 40 mm panel pins or 6 g screws at 150 mm centres around the sheet perimeter and 300 mm centres through the body of the sheet for non-structural applications.

**As a Ceiling Lining** Install the boards to ceilings Install the boards in a staggered pattern at 90° to the ceiling rafters or ceiling battens. Ensure that the sheet ends meet over supporting timber and that ceiling battens centres do not exceed 450 mm. Any free edges between battens need to be back blocked.

Metal ceiling battens need to a minimum of 0.75mm and used in conjunction with supplier recommend metal screws otherwise the batten may strip as the screws are countersunk into the surface of the board.

### Installing as a Bracing Wall

**Fixings** On a timber frame use 6 g screws as per GIB® GS1-N fastening pattern 50, 50, 50, 75, 75,150 mm from each corner.

Description	Concrete Slab (150 BU/m max)		Timber Floor (120 BU/m max)	
	Wind (BU/m)	EQ (BU/m)	Wind (BU/m)	EQ (BU/m)
<b>System 1:</b> saveBOARD - 1200mm x 2400mm. Fixing 6g plasterboard screws fixed at 50, 50, 50, 75, 75, 150mm centers	106 BU/m	93 BU/m	106 BU/m	93 BU/m
<b>System 2:</b> saveBOARD - 600mm x 2400mm with GIB Handibrac. Fixing 6g plasterboard screws fixed at 50, 50, 50, 75, 75, 150mm centers	84 BU/m	97 BU/m	84 BU/m	97 BU/m
<b>System 3:</b> saveBOARD - 1200mm x 2400mm with GIB Handibrac. Fixing 6g plasterboard screws fixed at 50, 50, 50, 75, 75, 150mm centers	125 BU/m	130 BU/m	120 BU/m (max) 125 BU/m	120 BU/m (max) 130BU/m
<b>System 4:</b> saveBOARD - 1200mm x 2400mm with GIB Handibrac. Fixing 50 x 2.8mm Galvanized Flat Head Ring Shank Nails	147 BU/m	151 BU/m	120 BU/m (max) 147 BU/m	120 BU/m (max) 151 BU/m

**Bracing Wall Openings** Small openings (i.e. 90x90mm or less). Do not make an opening within 90 mm of the sheet edge.

Large openings, over 90x90mm, should be placed outside of the bracing element

**Fixings** On a timber frame use 6 g screws as per GIB® GS1-N fastening pattern 50, 50, 50, 75, 75,150 mm from each corner or as per S.E.D.



**General**

**Heat** Do not install the boards adjacent to, or behind heat source.

**Adhesives** Common structural adhesives can be used in small daubs at 300 mm centres on the central studs for structural and non-structural board installations. Check compatibility.

[Recommended Adhesives](http://www.saveboard.nz) (www.saveboard.nz / Technical Literature)

**Jointing**

For further information refer to our Jointing Guide that can be found on

<https://www.saveboard.nz/technical-literature>

Jointing Type	Instructions
Curved Walls	150mm minimum radius. Kerf bending required. Cuts to 50% depth at 20mm intervals. Glue kerf cuts or fix to studs to allow curve to set in position
Butt Join	Cut boards upside down so skill saw leaves a clean cut on front face. Sand back edge with 150grit paper. Non- Structural fixings - Fix with glue and finishing gun 35-40mm panel pins or collated drywall screw gun. The butt joint on Paperfaced internal lining can be sealed using Joint Compound.
Arris Edge	3mm arris of edge

**Finish**

saveBOARD products are not perfect. They are made from 100% recycled composite packaging.

Paperfaced has a textured surface. This is most obvious when directly next to a sanded plaster joint, which is perfectly smooth. Options are

- 1) Full skim coat (level 5 finish) or
- 2) Use a semi-rough paint roller to closely match the texture for a Level 4 finish or
- 3) Butt joint or arris edge, seal and paint for a rustic finish that shows textured finish
- 4) Butt joint or arris edge and seal only if using as a substrate
- 3) The surface must be prepared with a water based 'Primer Sealer Undercoat'

Paperfaced is susceptible to air bubbles caused when steam is trapped under the paper surface during manufacture. This does not mean the board is structurally weak; it just means the steam prevented the paper adhering to the core of the board.

If your saveBOARD product comes with any small air bubbles, we recommend either

- 1) sanding them out with P80 sandpaper over the surface or
- 2) remove the bubble with a craft knife to cut away the paper before plaster stopping over the area or
- 3) Use a house hold clothes iron - put on highest temperature 'Linen' and iron area over bubble for at least 30secs should adhere paper to core.

For more information refer to our website: [www.saveBOARD.nz](http://www.saveBOARD.nz) & [www.saveBOARD.com.au](http://www.saveBOARD.com.au)



## ADDITIONAL INFORMATION

saveBOARD is committed to a sustainable future. We hold many of the common industry environmental certifications & labels. Ultimately, we can provide transparency to our clients and customers on how we make our saveBOARD products. We have provided relevant additional information below:

### Designing Out Waste

We are focused on several initiatives that design out waste in the built environment, these include:

**💰 Free Return Service:** Send back off-cuts and end-of-life products to be remanufactured into new materials. It costs less than landfill and better for the planet.

**✂️ Cut-to-Length Service:** Only pay for what you need, saving money and reducing on-site labour for cutting sheets.

**🗑️ Recycling Manufacturing Waste:** Our side trimmings and reject boards are continuously recycled into new saveBOARD products, its just something we do.

**🌱 Soft Plastics Recycling:** We offer free soft plastics recycling to all our clients, providing a comprehensive site-wide solution not just saveBOARD focused.

### GreenStar Credits

The use of saveBOARD products will earn, or contribute towards earning, Green Star credits in the following Green Star categories:



#### Credit 19: Life Cycle Impacts

saveBOARD are low-carbon products and our

#### Credit 21: Sustainable Products

Only one of following Credits may be claimed per product ie saveBOARD products currently meet 3 out the 4 requirements, but you can only claim against one requirement.

##### 21B: Sustainable content

saveBOARD products contain 99% recycled content.

##### 21C: EPD (Environmental Product Declaration)

Our EPD's are available on our website [www.saveboard.nz](http://www.saveboard.nz)

##### 21D: Third Party

Certified by Eco Choice Aotearoa, and GECA Ecolabel both Level A certifiers.

##### 21E: Stewardship Program

saveBOARD has a Product Steward Program that will qualify for this criterion.

#### Credit 22: Construction and Demolition Waste



Credits for this clause are claimed for the total amount across the project. Soft plastic waste generated on site can be collected and sent to saveBOARD to use in the manufacture of new board. This can be included in the overall total.

## HomeStar (NZ Specific)

Homestar is New Zealand's leading holistic sustainability certification for new home design and construction. The use of saveBOARD products will contribute towards earning Homestar Points in the following categories:



### EN2 Embodied Carbon

For use in your calculations the embodied carbon of saveBOARD products is 0.11 kgCO<sub>2</sub>e/kg

### EN3 Sustainable Materials

Up to 10 points are available where at least 50% of the material content is reused, eco-preferred or responsibly sourced materials. When calculating enter saveBOARD products in category (6), measured in m<sup>2</sup>.

### EN4 Construction Waste Minimisation

#### *Minimising Waste*

saveBOARD products are available cut to length (minimum quantities apply). This will reduce off cuts during installation.

#### *Onsite Sorting*

Soft Plastics can be sorted and returned to saveBOARD to be remanufactured into new board. Ask us for a copy of "Accepted Plastics".

#### *Waste Diversion*

As above, soft plastic waste can be recycled with saveBOARD. Any off cuts can also be returned to be manufactured into new boards.

## Declare Label

Declare is a database of non-toxic, sustainably sourced building products that meet the stringent requirements of the International Living Future Institute's Living Building Challenge.



Declare label is available for all saveBOARD products. Declare is like a nutritional label for building products, offering specifiers, contractors and building users insight into the ingredients used in the manufacture of building products. All saveBOARD products have all achieved Red List Free status.

## Environmental Labels - Eco Choice Aotearoa

Eco Choice Aotearoa is New Zealand's official ecolabel. More than listing sustainable products for green homes or businesses, Eco Choice's Type I ecolabel offers strong, independent proof of environmental best practice for those products and services that bear the mark.

