



# betterJOINERY



## Manufacturing & Installation Guide

### Product Description

saveBOARD betterJOINERY is a semi vapour permeable joinery panel made from 100% shredded and compressed composite packaging. No water, glues, resins are used during the manufacture process. saveBOARD betterJOINERY is finished with a clear or coloured recycled plastic face both sides.

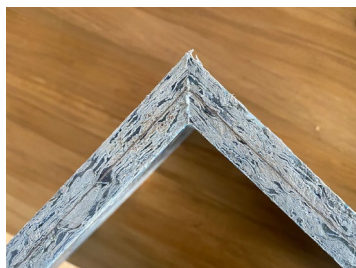
Manufactured in Hamilton, New Zealand and Sydney, Australia

### 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 as defined by the NZBC E3.
- Not suitable as a kitchen bench top or commercial kitchen.
- Not suitable for spans greater than 600mm without secondary framing.
- Do not use in exterior applications.





- Check compatibility with any glues, resins sealants to be used in conjunction with betterJOINERY.

### Handling

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

### Storage

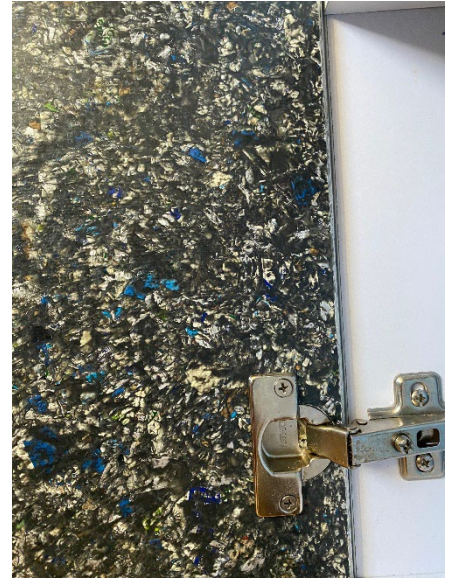
When stored on-site lay flat on suitable bearers. The spacing between the bearers should be no more than 600mm apart. Do not store outside.

### Maintenance & Warranty

Warranty 15 years including material.

betterJOINERY pre-finished panels are inherently mark resistant, durable and suitable for high contact areas with wipe down surface.

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



## MANUFACTURING & INSTALLATION GUIDE

### 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.

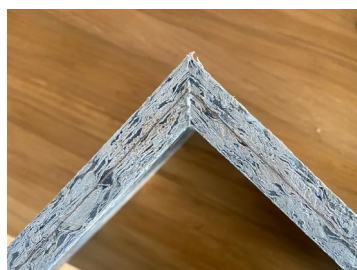
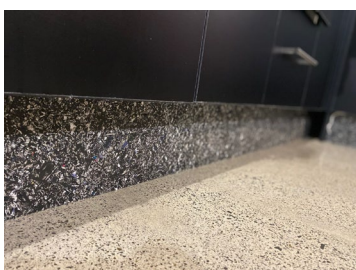
saveBOARD can be cut, drilled, and sanded in the same manner and methods as most wood-based products. However, it is not the same and requires selection of the right tools and speeds for best results.

Cutting saveBOARD does not create any toxic dust, vapors, or other potentially harmful inhalants, but we recommend you always follow Health & Safety best practices, use appropriate Personal Protection Equipment (PPE).

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

### Cutting, Drilling and Routing

saveBOARD betterJOINERY can be cut in the same manner and methods as most wood-based products power tools or on a CNC machine. However, saveBOARD is different to common joinery products such as MDF. There are some key differences to know about saveBOARD as the cut edge is prone flaking / delaminating and flat edges should be designed out where possible.



### Jointing

Like MDF, saveBOARD **must** be pre-drilled into the end grain otherwise it is subject to splitting. Pre-drilling into the face is not required, however recommended.

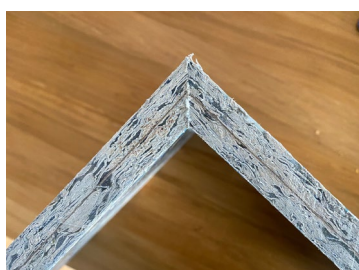
The panels can be glued, screwed or doweled together as you would with MDF. The same precautions need to be taken to pre-drill holes to prevent splitting.

Refer to our Jointing Guide that can be found on <https://www.saveboard.nz/technical-literature> that has several recommended jointing options including aluminium extrusions.

### Finishing of Edges / Surfaces

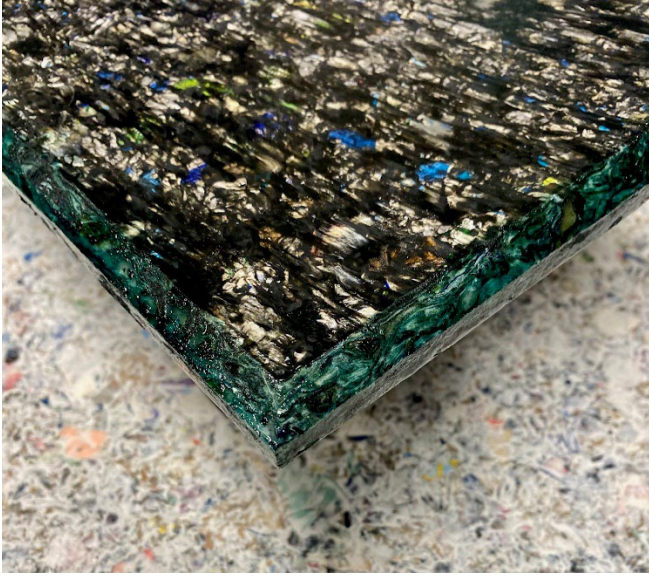
saveBOARD betterJOINERY is a composite material made from 50% soft plastics (our glue/resin) and 50% packaging fibre. This creates a 100% recyclable material; however, the cut edges are prone flaking / delaminating if not finished correctly. The following table sets out 3x different recommended edge options:

Edge Finish	Notes / Instructions	Edge Finishing Product
Flat / Straight Edge	<b>DO NOT USE THIS EDGE FINISH DETAIL</b>	<b>NOT RECOMMENDED</b>
Arris Edge	Minimum of 3mm radius. Sand machined edge with 150-200 grit sandpaper to achieve flat and smooth finish. Fill any voids with a clear hot glue gun and finish flush with the surface.	We recommend using NORSKI KLEER-KAST Diamond clear liquid embedding resin for plastic surfaces. <b>Step 1:</b> Make sure surface is dust free and apply 1 <sup>st</sup> coat. <b>Step 2:</b> Sand epoxy surface as fibre layers will be rough to touch and require sanding smooth. <b>Step 3:</b> Apply 2 <sup>nd</sup> coat. <b>Step 4:</b> Repeat steps 2 & 3 until surface is smooth and flat.
Pencil Round 5mm	After machining, sand edge with 150-200 grit sandpaper to achieve flat and smooth finish. Fill any voids with a clear hot glue gun and finish flush with the surface.	
Chamfer + 3mm Pencil Round	After machining, sand edge with 150-200 grit sandpaper to achieve flat and smooth finish. Fill any voids with a clear hot glue gun and finish flush with the surface.	





**Colouring** of the edge can be made by colouring the epoxy to achieve a matching or contrast colour to the facing. For small applications the use of food colouring is an option to colour the epoxy.



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

