



Jointing Details for saveBOARD Products



About saveBOARD

saveBOARD is focused on building a circular economy by turning composite packaging waste back into products that re-enter the local supply chain eliminating future waste. We have two plants; one in Hamilton, New Zealand and one in South-Western Sydney, Australia.

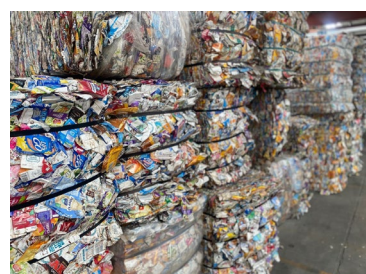
The core of the product is made from shredded and compressed composite packaging, giving the user a sustainable and superior performing product. It is for use with timber or steel framing. When our standard products are cut, they can leave a fibrous edge, that will require sanding. If a hard edge is required, we can produce our benchtop grade material that has increased density and plastic content that leaves a sharp edge.

Our products are finished with either a recycled facing paper (Paperfaced), fibreglass face (betterBRACE) or transparent top surface (Exposed, Ceiling Tiles, Multi-use). All products have a recycled facing paper on bottom surface. saveBOARD products are alternatives to plywood, OSB or plasterboard.

Manufacturing Locations:

30 Sunshine Ave, Te Rapa, Hamilton 3200, New Zealand. www.saveboard.nz

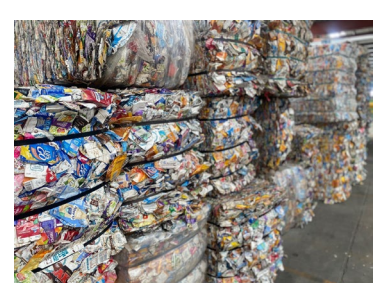
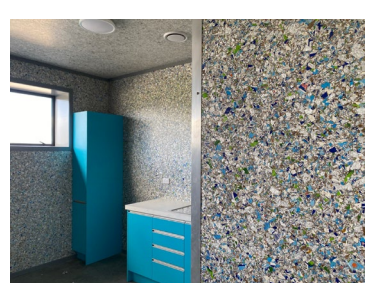
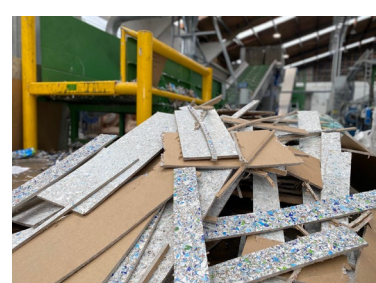
15 Production Ave, Warragamba, NSW 2752, Australia. www.saveboard.com.au



Choosing the Right Product

Key to any application is choosing the right product for the right job. The table below, provides a summary of products, jointing or cutting technique along with notes and instructions. All saveBOARD products need to be cut or shaped with common wood working tools – same as what you would use for cutting plywood. For best results use a high tooth count saw blades and sand edges as needed.

Requirement	saveBOARD Product	Notes / Instructions
CNC Cutting	Benchtop grade	Special Order, high plastic content. Use compression head cutting tool, 3,000rpm recommend cutting speed.
Mitre Edges	Benchtop grade	Special Order, high plastic content. Cut with a skill saw or bench saw.
Negative Detail	Exposed	2mm to 10mm gap. Paint studs black and the exposed edge of the board.
Arris Edge	Paperfaced	3mm arris of edge, painted finish. No need to skim coat or plaster faces.
Curved walls	Exposed or Paperfaced	150mm minimum radius. Kerf bending required. Cuts to 50% depth at 20mm intervals. Glue kerf cuts to allow curve to set in position.
Butt Joint	Exposed or Paperfaced	Cut boards upside down so skill saw leaves a clean cut on front face. Sand back edge with 150grit paper. Fix with glue and finishing gun 35-40mm panel pins. The Butt joint can be sealed by 'hot knifing' the two edges together.
Wet area, splash zones.	Exposed, Paperfaced or benchtop grade.	Paint edges with household acrylic primer. Run silicon bead in between board joint for added waterproofing.
High Traffic Areas	Exposed or benchtop grade	Exposed pre-finished panels are inherently textured and marks, contact areas



Negative Detail:

The finishing of a negative detail is key for the aesthetics of the finished product. At saveBOARD we recommend a 2mm to 10mm gap. The Exposed board should be glued and panel pinned into position. The studs and board edge can be painted black, or alternatively a black silicon applied to the recess.



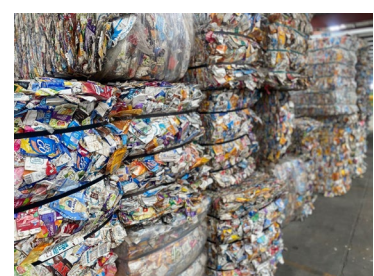
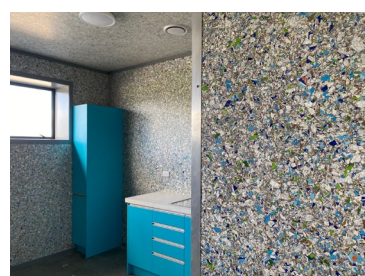
Aluminium Extrusions

All 10mm aluminium extrusions available for plasterboard can be used for saveBOARD. The aluminium extrusions can be finished by either leaving the aluminium natural, coloured by painting or powder coating.



Ulrich Aluminium Wallboard Codes:

Extrusion	DIE No.	Dimensions	Type
10MM CAPPING	UA4405	23.00 x 13.40	Wallboard Capping
10MM EXT CORNER	UA4407	33.40 x 28.40	Wallboard External Corners
10MM INT CORNER	UA4408	31.51 x 23.51	Wallboard Internal Corners
10MM JOINTER	UA4406	34.00 x 13.40	Wallboard Jointers



Butt Joints:

All butt joints whether Exposed or Paperfaced internal linings should be glued and fixed around the circumference of each panel.

When cutting saveBOARD products, especially Exposed internal linings, we recommend cutting from the back, so the saw blade leaves a sharp front edge, and any burring is on the back of the board. Alternatively using a masking tape will help control the finished edge.

Options for Butt Joints include:

Arris Edge – Instead of traditional 'Stopping & Painting Finish', we recommend finishing our square edge Paperfaced internal linings with a small chamfer (Arris). Then the surface can be painted without the need for stopping, saving both time and money.

Square – There are several ways to finish a square butt joint depending on aesthetics and whether it is a high traffic zone or not. Options include:

- Fixed joint, glued and panel pinned (or screwed) to stud or back blocked
- Hot Knife seal; joint is heated up with hot knife blade to 'melt' the joint together. Care must be taken not to burn or damage surface.
- LDPE joint seal; A strip of LDPE film is laid over the join and heated until it 'melts' over the join sealing the edge. Teflon or silicon layer needs to be added between LDPE film and heating element.

Declare

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.

Considered the most advanced sustainability certification in the built environment, 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. Click on the following link to see our current Declare label <https://declare.living-future.org/products/saveboard>

