



# From Recyclable Packaging to High Performance Building Materials



# Solution: saveBOARD one piece of the puzzle

## Innovation Born from Necessity

saveBOARD is a high-performance composite building material made from packaging materials such as:

- Soft plastics
- Food & Beverage Cartons
- Other multi-layer packaging

## Why is this technology work where others fail?

- Low cost: effectively advanced mechanical recycling
- Can cope with a wide range of materials
- Proven technology – used in the USA for 15+ years, NZ for 5 years and 3 ½ years in Australia
- Scalable, current plant has a capacity of 4,000 tonnes pa, expandable to 7,000 tonnes pa.



# Where do we source our materials from

## Plant Location:

- 15 Production Ave, Warragamba, NSW
- Recipient of \$1.8m grant in 2021 from NSW government

## Soft Plastics

We are defined as a Recycler; we take materials directly from:

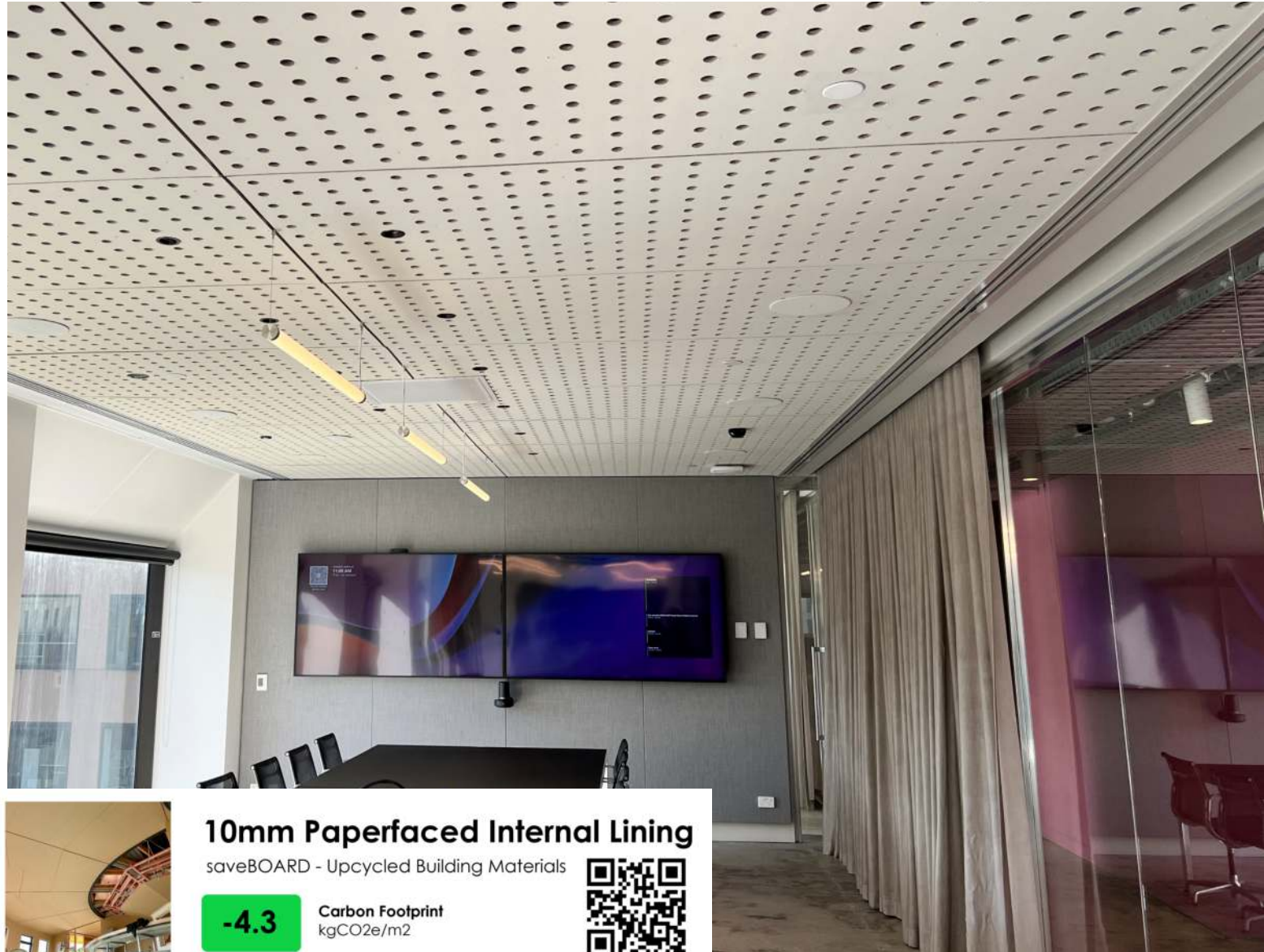
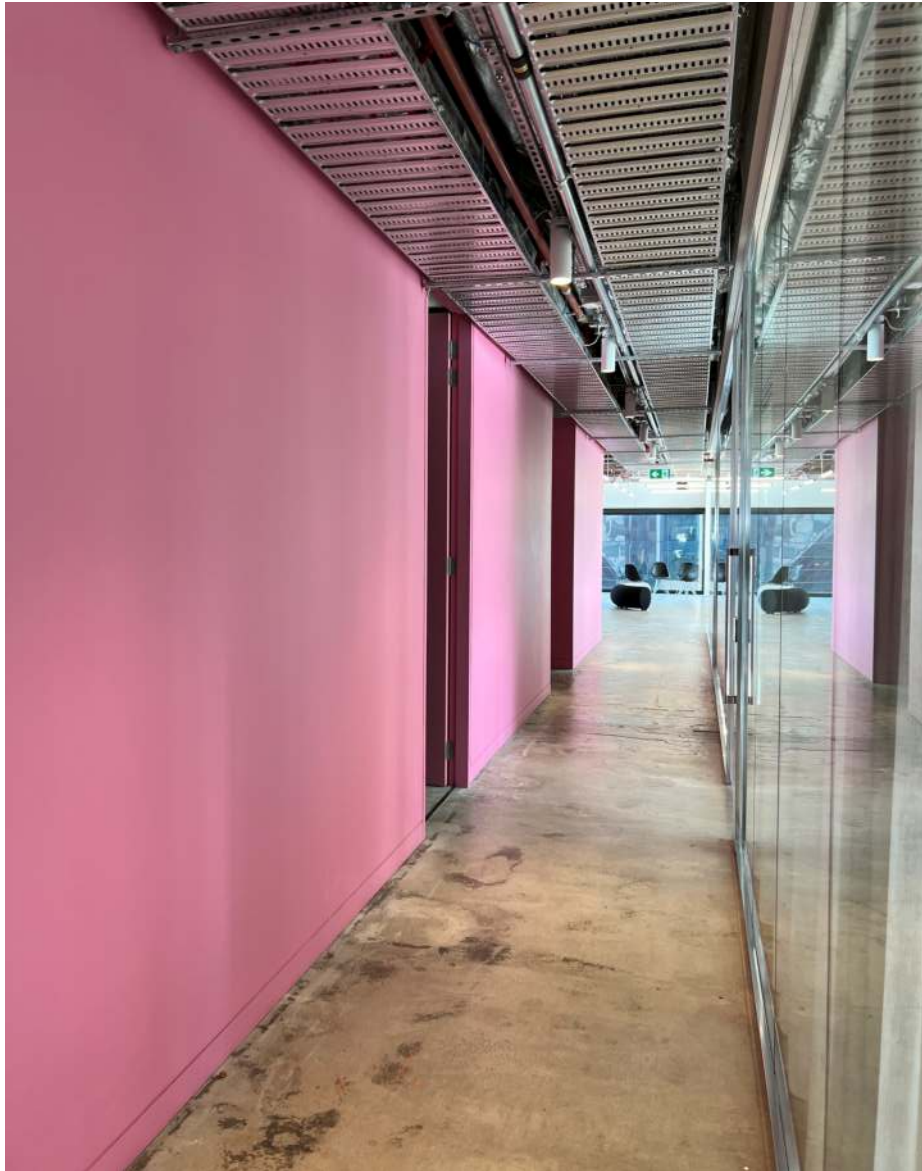
- SPSA
- Woolworths – One of their 4x recycling partners
- Construction partners with a circular procurement policy

## Other Feestock Material

- Food & Beverage Cartons – Container Deposit Scheme
- Plus other clients, such as synthetic carpet through Milliken



# Paperfaced Internal Linings – Paintable Surface



## 10mm Paperfaced Internal Lining

saveBOARD - Upcycled Building Materials

**-4.3**

Carbon Footprint  
kgCO<sub>2</sub>e/m<sup>2</sup>



# Woolworths Group

## Multi-use – 200x stores to date



### 12mm Multi-use Panel

saveBOARD - Upcycled Building Materials

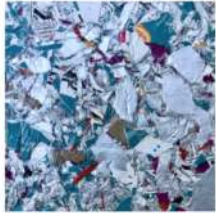
-10.1

Carbon Footprint  
kgCO<sub>2</sub>e/m<sup>2</sup>



# KFC

## Exposed Internal Linings



### 10mm Exposed Internal Lining

saveBOARD - Upcycled Building Materials

-7.4

Carbon Footprint  
kgCO2e/m2



# Ceiling Tiles



## 10mm Exposed Ceiling Tiles

saveBOARD - Upcycled Building Materials

**-7.4**

Carbon Footprint  
kgCO<sub>2</sub>e/m<sup>2</sup>



# Performance Specification

- High Performance Bracing – Market leading
- Impact resistant – achieves AS4687 12mm vs 17mm

## Fire

- Fire Group 3 – Same as Plywood, MDF, OSB

## Acoustics

- 47 CAC (ceiling attenuation class)
- 40dBA STC rating, single layered wall

## Chemicals / Environmental

- No VOC's or Formaldehydes
- Safe to use indoors – We use food grade packaging and inherit similar properties.
- Termite resistant – no chemicals needed
- No harmful dusts or vapours created



# Reporting Waste & Emissions Simplified

## 3<sup>rd</sup> Party Verification Matters

### Why saveBOARD Simplifies Reporting:

**Cradle-to-gate Carbon Footprint:** Pre-calculated LCA data provided

**Waste Diversion Credits:** Quantified environmental benefit from waste utilization

**End-of-Life Planning:** Clear recycling and disposal pathways

**Digital Tracking:** QR codes link to detailed environmental impact data

### Reporting Benefits:

Streamlined Scope 3 emissions calculation

Simplified green building certification (NABERS, Green Star)

Clear sustainability metrics for stakeholder reporting





## Make Contact with us

Supporting circular products or services like saveBOARD, creates innovation that is required to solve the 'big problems' and underpins investment in new plants and infrastructure.

**If you want to make a change, contact me below:**

[Paul@saveboard.com.au](mailto:Paul@saveboard.com.au)

