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Durable & Affordable

A versatile sustainable building material that is made entirely from straw.

# About Durra Panel

Durra Panel® is the fully certified wall and ceiling board that insulates against sound and heat, while being stronger, safer and cheaper than an internal plasterboard wall. In addition, because it's made entirely out of straw sourced from local Australian farmers, it's extremely environmentally friendly.

Durra Panel® boasts the desired properties of acoustic and thermal insulation, low embodied energy and durability along with a high degree of impact resistance. The panel can achieve a one-hour fire rating, making it suitable for use in a range of commercial, industrial and residential applications. Durra Panel can be used to create simple and safe ceiling and wall systems along with non-load bearing partition walls. Importantly, Durra Building Systems provides cost effective savings on site, greatly reducing labour and build times.

Manufactured in Ortech Industries' Bendigo factory located in Victoria, using a process developed in conjunction with the CSIRO, Durra Panel® is used in airports, convention centres, sports stadiums and landmark projects around the globe. It is also an ideal material for residential construction, being made from non-toxic organic material that is not only easy to work with but also simple to dispose of, with offcuts able to be composted and used as a soil conditioner.

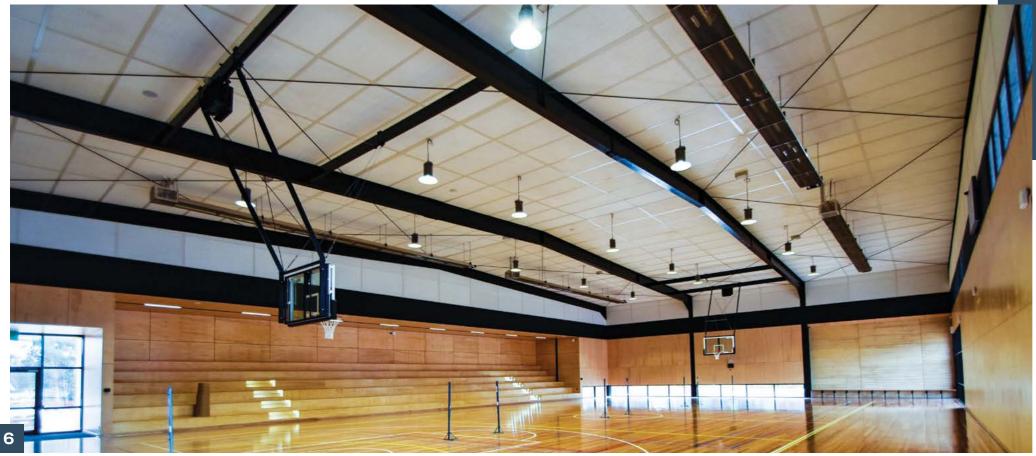










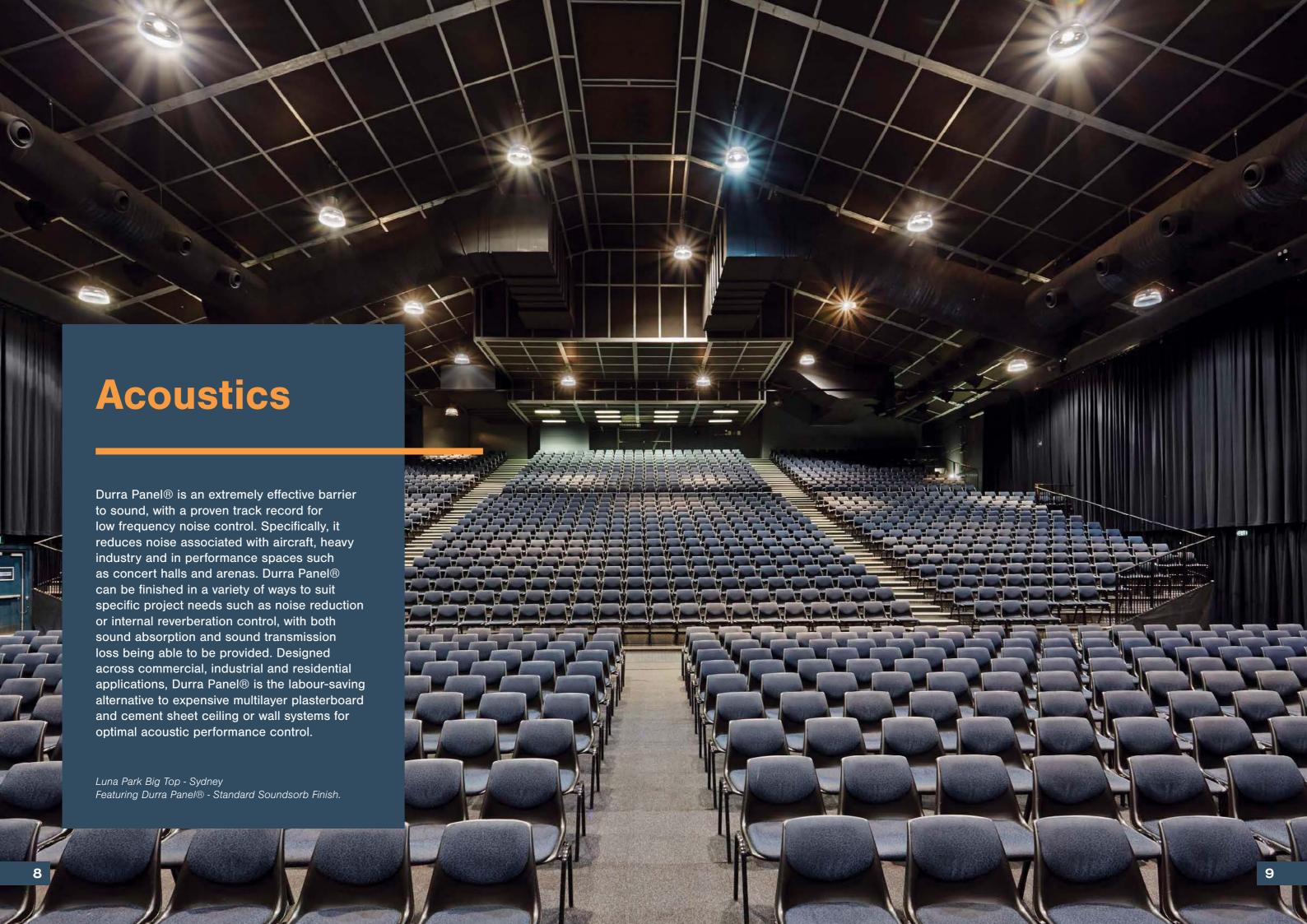


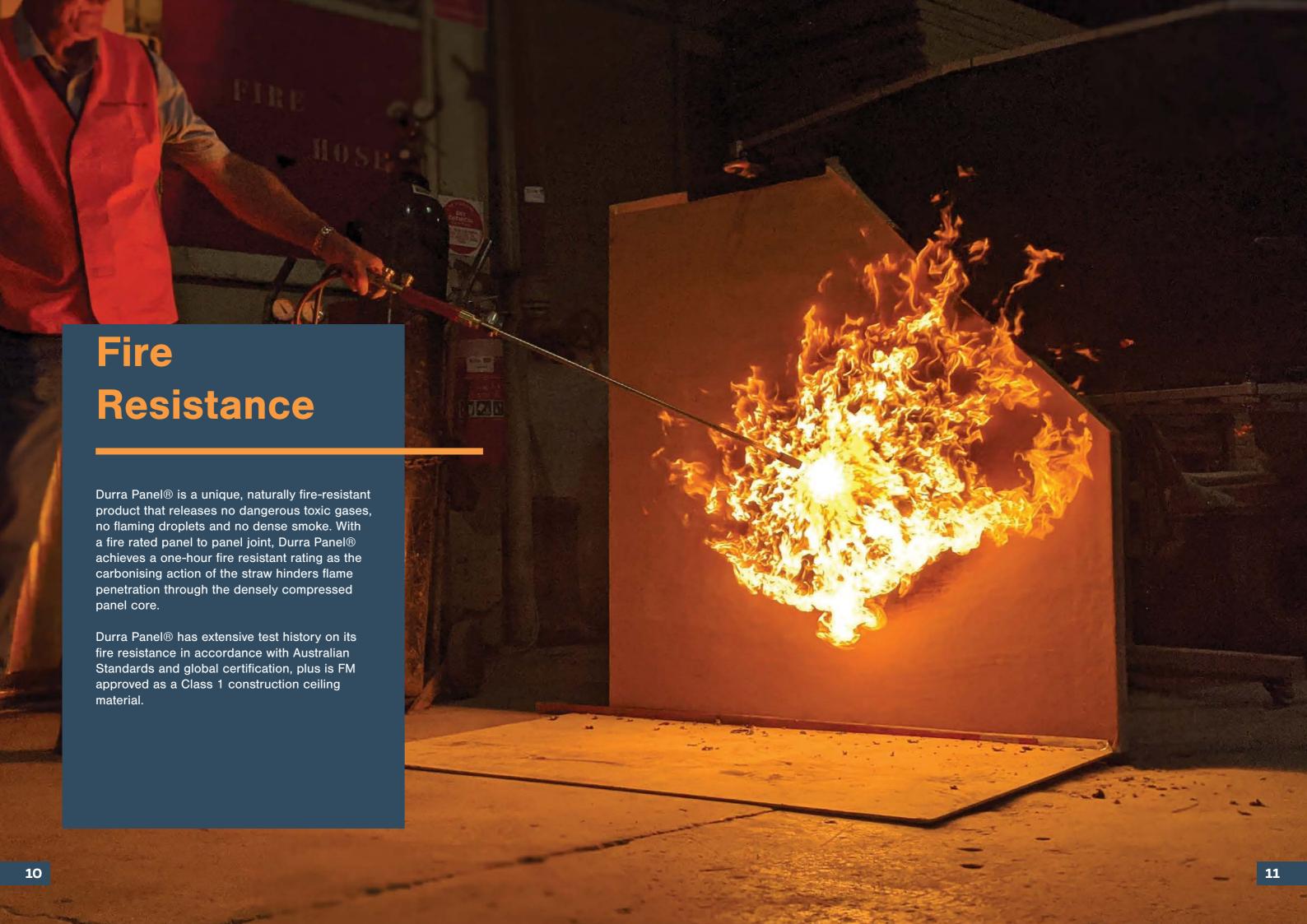
# Why use Durra Panel

The environmental impact of energy production is intensifying, and the supply of natural resources such as timber, sand and fossil fuels is under pressure to satisfy a worldwide demand. Because of this, the need for sustainable materials in building construction has become a modern-day necessity to ensure the global demand for natural resources can be sustained. Using sustainable materials is one way that we can collectively seek to minimise the effects of climate change where possible.

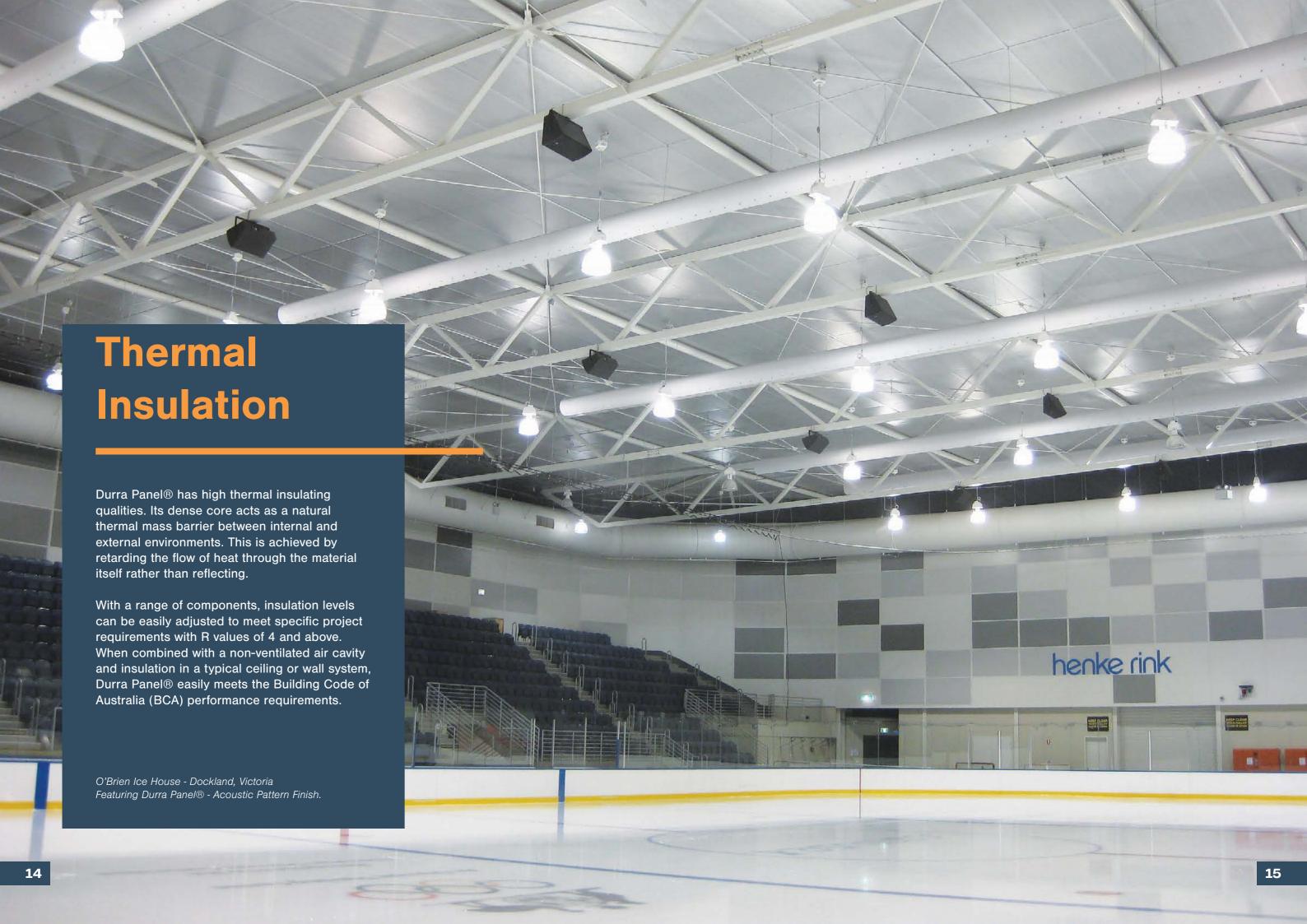
Ortech Industries takes on this responsibility with its conversion of a wasted agricultural by-product into a strong and durable construction material, Durra Panel®. The unique panel core extrusion process requires no water, gas, additives, glues or chemical binders and produces zero toxic waste. With outstanding thermal and acoustic insulation properties that embody CO2 rather than emit it, Durra Panel® offers superior environmental performance compared to other rigid board construction products.

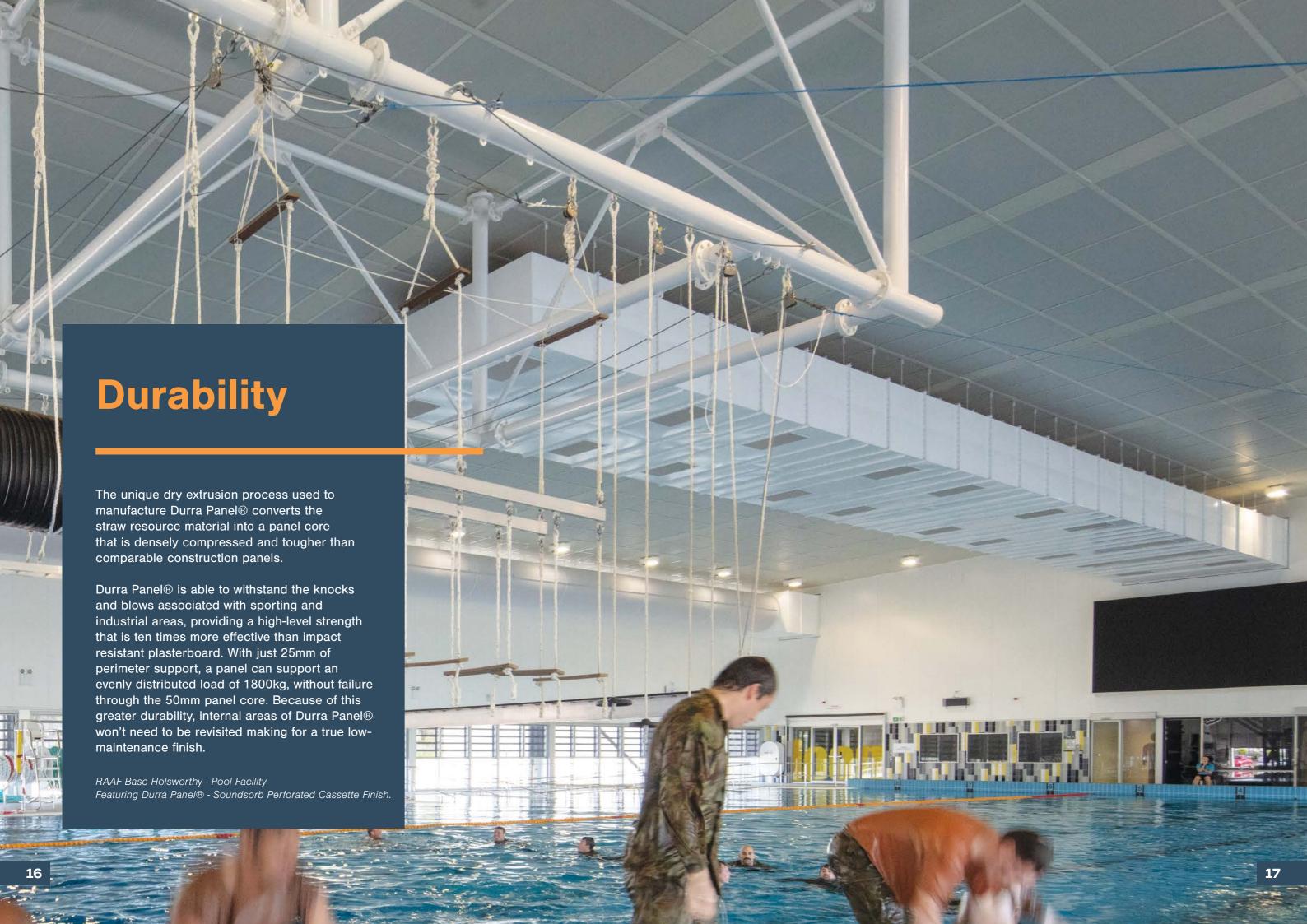
Each phase of the panel's life cycle provides an environmentally preferable outcome, reducing the impact of built environments with a material that has an exceptionally low embodied energy and is 100% recyclable and biodegradable at the end of its natural life.















## **Durra Panel® Finishes**

### **Standard Finishes:**

There are plenty of ways to incorporate Durra Panel® into your next project with our range of finishes. Each finish can cater to a particular need or application, depending on the space you're trying to create.

#### **SPECIFICATIONS:**

Standard Width - 1187mm

Length - Made to order with a maximum 3600mm

Thickness: 50mm or 58mm

Nominal Weight: 18.5 kg – 22 kg per square metre All materials can be supplied cut to specific sizes.



PLAIN

A compressed straw core between two layers of Kraft Liner. Simple, versatile, affordable.



**HARDBOARD** 

Added robustness and perfect for areas requiring flat finished surfaces. Great for residential applications.



#### **PAINTED**

Utilising our standard Luxoltex paint, for a hard-wearing and low maintenance finish. Available in any Dulux colour.



#### **CEMENT SHEET**

Hardy and durable. Group 2 Fire Resistance and suitable for wet areas.

## **Architectural Finishes:**



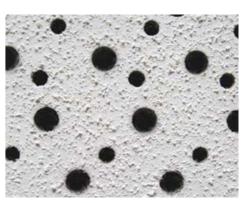
**PLYWOOD** 

A design-focused finish for applications requiring a touch of style.



POLYESTER SOUNDSORB

A blend of design and function. Perfect for noise absorption and available in a range of colours.



**ACOUSTIC PATTERN** 

Our most common Acoustic finish. Achieves an NRC of 0.49 while remaining impact resistant and low maintenance. Ideal for sports venues and gymnasiums.

### **Performance Finishes:**



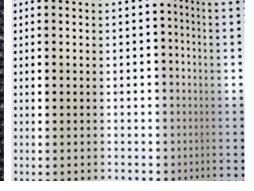
**COLORBOND** 

As durable as it gets. Fire and moisture resistance make it the perfect industrial finish. Available in all colorbond colours.



FIBREGLASS SOUNDSORB

For spaces requiring the highest level of acoustic performance.



PERFORATED
COLORBOND SOUNDSORB

Combining the performance of Soundsorb with the hardiness of Colorbond yet maintaining the versatility of both. Available in flat or corrugated finish.

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## DURRA PANEL®

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