

# TECH DATA

## Benefits

- Ideal substrate for render and tiles due to limited expansion or contraction when exposed to moisture. This reduces cracks and debonding tiles
- Faster and easier to construct than traditional masonry
- Extreme weather resistance proven to withstand the toughest conditions.



PERMAROCK® Cement Board Outdoor is resistant to extreme weather conditions.

**PERMAROCK®** Cement Board Outdoor is a solid, engineered wall and ceiling lining made from inorganic aggregated cement embedded in both front and back surfaces with coated glass fibre mesh. It has a high dimensional stability when exposed to moisture or temperature variations, is highly resistant to impact and has good sound insulation. PERMAROCK® Cement Board Outdoor has all the properties required for external wall and ceiling linings that must withstand harsh weather conditions.

## Product Information

SHEET SIZE	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT* (kg/m <sup>2</sup> )
	13	1200	3000	16
PROPERTIES	DENSITY		R VALUE	
	1150 kg/m <sup>3</sup>		0.035 m <sup>2</sup> K/W	
	THERMAL COEFFICIENT OF LINEAR EXPANSION		CHANGE IN DIMENSIONS - DRY TO WATER SATURATED	
	7 10 <sup>-6</sup> /K		0.11 %	
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties Average Specific Extinction Area < 250 m <sup>2</sup> /kg as required by BCA Specification C1.10a, Clause 3(c)			
COMBUSTIBILITY	Classified as non-combustible according to the BCA Section C1.12			
HAZARDS IDENTIFICATION	Not classified as hazardous according to the criteria of NOHSC Australia			

\* Weight indicated is nominal

## Application

PERMAROCK® Cement Board Outdoor should be used for external wall and ceiling applications where water and impact resistance, as well as sound insulation properties are required.

PERMAROCK® Cement Board Outdoor is ideal when used as a render or tile substrate as it reduces the likelihood of substrate movement and therefore cracks or debonding tiles. A paint finish can also be applied.

It is also perfect for use in applications where greater flexibility is a must for design purposes.

All external areas of residential, commercial and industrial buildings would benefit from the application of PERMAROCK® Cement Board Outdoor.

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## Performance

**Water**  
 Exceptional resistance to water, humidity and temperature variations maintaining strength even in high exposure areas. It is a breathable material with low vapour diffusion resistance.

**Impact**  
 Engineered cement aggregate material provides a solid panel that has excellent impact resistance.

**Sound**  
 Excellent acoustic properties.

### Resistant to Mould Growth

PERMAROCK® Cement Board Outdoor has high alkalinity, a pH of 12 and is also completely inorganic, so it acts naturally as a bactericidal and fungicidal barrier, preventing microbial growth and mould.

### Installation

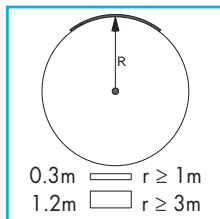
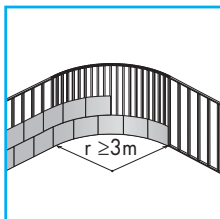
PERMAROCK® Cement Board Outdoor is installed using PERMAROCK® Maxi Screws, with no pre-drilling required. It is easy to cut with either a diamond blade for a perfect edge or scored with a knife and snapped easily, making installation quick and simple.

PERMAROCK® Cement Board Outdoor can be fixed to timber or steel frames.

### Curved Walls

It is possible to install PERMAROCK® Cement Board Outdoor in curved wall and ceiling applications.

- Board size: 1200mm wide, minimum curving radius  $\geq 3m$
- Strip size: 300mm wide, minimum curving radius  $\geq 1m$
- Maximum stud spacing:  $\leq 300mm$  (external radius).



### Warranty

Knauf's products are guaranteed by a 10 Year Warranty. Visit [knaufplasterboard.com.au](http://knaufplasterboard.com.au) [knaufplasterboard.co.nz](http://knaufplasterboard.co.nz) for details.

### Technical Advice

For technical advice, please call Knauf technical services on

**AU 1300 724 505**  
**NZ 0800 884 326.**