



## weather defence™

### rigid air barrier board



Siniat **weather defence™** is an award-winning\* rigid air barrier which is used behind facade cladding systems to regulate the indoor environment. It has transformed building envelope construction and performance.

### application

**weather defence™** is suitable for enclosing a building to provide a solid weathertight barrier that forms part of the external facade system. Due to the high vapour permeability of weather defence, moisture can escape from the wall cavity when used with a vented or ventilated facade system, this controls the risk of condensation build-up causing damage within wall spaces. This risk is higher in colder climates which is why the National Construction Code requires building membranes to have a Class 4 vapour permeance in Climate Zones 6, 7 and 8.

No additional wall wrap or sarking may be needed.

\* Weather Defence won the British Construction Industry's 'Product Innovation of the Year' Award in 2014.

### key benefits

- rigid air barrier with Class 4 vapour permeance
- can be exposed to weather for up to 12 months
- enclose buildings faster so the interior fitout can start sooner



## product information

	thickness (mm)	width (mm)	length (mm)	weight* (kg/m <sup>2</sup> )
sheet size	13	1200	2400	11.7
combustibility	May be used wherever a non-combustible material is required according to the National Construction Code (NCC) Vol 1 C2D10 (6)(a) [2019:C1.9]			
hazards identification	Non-hazardous according to WHS Regulations and the ADG Code			
thermal conductivity	0.25 W/mK			
thermal resistance	0.05 m <sup>2</sup> .K/W			
vapour permeance	Class 4			
resistance to mould growth – ASTM D3273	10/10 (no mould growth)			
dimensional change (20°C/30%-65%RH), longitudinal direction dimensional stability	0.09 mm/m			
dimensional change (20°C/65%-85%RH), longitudinal direction dimensional stability	0.11 mm/m			
dimensional change (20°C/30%-65%RH), transverse direction dimensional stability	0.09 mm/m			
dimensional change (20°C/65%-85%RH), transverse direction dimensional stability	0.05 mm/m			

\*Weights indicated are nominal.

## performance

### Water

Resistant to water penetration according to AS/NZS 4201.4.

### Weather

Provides a solid weathertight barrier.

### Mould

Resistant to mould growth 10/10.

### Sound

Good acoustic performance.

### Vapour permeance

Class 4 vapour permeance for climate zones 6, 7 and 8.

**weather defence™** is an excellent air control barrier which helps to regulate the indoor environment by restricting heat gain or loss via uncontrolled air movement through the wall.

Follow the installation instructions in the **weather defence™** manual to create a weathertight barrier that can be left exposed to the elements so work can continue on the interior.

With attention to detail, **weather defence™** installations can achieve airtightness targets that contribute to a building's energy efficiency and allow any glasswool insulation in the cavity to perform as intended by avoiding wind washing.



#### Disclaimer

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#### warranty

Siniat's products are guaranteed by a 10 Year Warranty. For details visit [siniat.com.au](http://siniat.com.au)

technical advice  
**AU 1300 724 505**