



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 ²)
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 ² .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.



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warranty

Siniat's products are guaranteed by a 10 Year Warranty. For details visit siniat.com.au

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