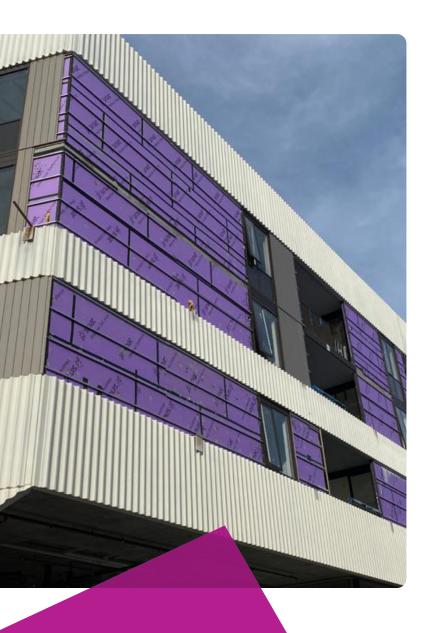


product data sheet



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/m²)
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 m² .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.







Etex Australia Pty Ltd

ABN 61 003 621 010 31 Military Road, Matraville NSW 2036

siniat.com.au



warranty

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

technical advice AU 1300 724 505

Disclaimer

Products manufactured and systems designed by Etex Australia Pty Ltd and branded Siniat, are produced in accordance with the Building Code of Australia and relevant Australian Standards. Information in this document is to be used as a guide only and is subject to project approval as many aspects of construction are not comprehensively covered. It is the responsibility of the project to determine if our products and systems are suitable for the intended application and they meet the relevant building code and project requirements. It is also the projects responsibility to ensure third party products have the appropriate certification with Siniat products and systems. Etex Australia Pty Ltd will not be held responsible for any claims resulting from the installation of its products or other associated products not in accordance with the recommendations of the manufacturer's technical literature or relevant Australian Standards, or for situations not covered by our certification reports. Siniat technical information is regularly updated. To ensure this document is current with the latest information, visit siniat.com.au

Siniat.solutions provides a host of online solutions for your product

SINIAL SELECT

offers an online system selector and custom design specification proposal, developed by us and catered to your project's requirements.

SINIAt CALCULATE

is a range of online calculation tools for the professional. Explore siniat. solutions on siniat.com.au.



etex inspiring ways of living