soundshield

performance plasterboard

soundshield is a plasterboard with a high density core for systems where superior sound insulation performance is required. **sound**shield has recycled yellow liner paper.

application

soundshield is used in a wide range of residential and commercial applications such as home theatres, media rooms and confidential meeting rooms where reducing sound transmission from one room to another is the primary concern. **sound**shield can be installed on ceilings and wall partitions to provide quieter living and working conditions.

soundshield can be used within systems that require certified plasterboard to achieve 100% points in the relevant categories for Green Star projects.

soundshield can be used to create peaceful environments at work and home.

key benefits

— **superior acoustic performance**

— **reduces transfer of sound between rooms to improve indoor environment quality**

— **easy and economical to install compared with brick work and masonry**

—**certified for use in Green Star projects**

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product information

	thickness(mm)	width (mm)	length (mm)			weight* (kg/m²)
			3000	3600	6000	
sheet size	10*	1200/1350		•	•	8.4
	13	1200	•			12.3
fire hazard properties	Group 1 with an Average Specific Extinction Area <250 m²/kg determined in accordance with AS 5637.1 as required by NCC C1.10, Clause 4.					
combustibility	May be used wherever a non-combustible material is required according to the Building Code of Australia (BCA) C1.9 (e)					
hazards identification	Non-hazardous according to WHS Regulations and the ADG Code					

* Weights indicated are nominal. Minimum order quantities and lead times may apply.

performance

◁)) Sound

Systems with **sound**shield can achieve very high levels of sound insulating performance. The sound insulating effectiveness of walls depends on their Rw values. Table 1 shows the effects of various sound insulation ratings. Refer to the latest Siniat Literature or system selector on the website for systems with acoustic ratings.

Rw and Rw + Ctr Definitions:
Rw - Weighted Sound Reduction Index
Rw describes the airborne sound insulating performance of a building element. It is a laboratory measured value. It can apply to walls, ceiling/ floors, ceiling/roofs, doors or windows. The higher the number, the greater the sound insulating performance of the building element. For example, an increase in the Rw of a wall by 10 points will reduce the perceived loudness of sound passing through the wall by about half.

Sustainable Green Star compliance documents are available at www.siniat.solutions/certificates **sound**shield can be used within systems that require certified plasterboard to achieve 100% points in the relevant categories for Green Star projects.

Sound installation performance
Table 1.

Rw	effect of different values of Rw on sound insulation performance
25	Normal speech can be heard easily
30	Loud speech can be heard easily
35	Loud speech can be heard but not understood
42	Loud speech heard as murmur
45	Must strain to hear loud speech
48	Loud speech can be barely heard
53	Loud speech can not be heard
63	Music heard faintly, bass notes 'thump'
70	Loud music still heard very faintly

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All Siniat products have been developed to meet the specific needs of the Australian market. Products manufactured in Australia comply with quality systems certified as complying with AS/NZS ISO 9001:2008 and meet the requirements of AS/NZS 2588, Gypsum Plasterboard.

Quality
ISO 9001
SAI GLOBAL

The following Siniat products have been independently certified by Global GreenTag to GreenRate Level A: **masta**shield, **fire**shield, **fire**shield h, **sound**shield, **water**shield, **span**shield, **multi**shield, **curve**shield, **opal**, **tru**rock and **tru**rock hd. Compliance certificates are available on siniat.com.au.

All Siniat plasterboard and metal products are available on the Siniat Carbon Neutral Opt-In program to help you meet your sustainability goals. Visit siniat.com.au to find out more.

Climate Active
NETWORK MEMBER

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 also the responsibility of the project to determine if Siniat's products and systems are suitable for the intended application. 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. Siniat technical information is regularly updated. To ensure this document is current with the latest information, visit siniat.solutions

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10 year warranty

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