siniat by etex

product
data sheet

opal is the perfect finish to your project.

opal

high-performance board

opal plasterboard has a high density gypsum core delivering both superior sound insulation and impact performance.

opal features a pre-primed heavy duty surface liner paper that helps to create near invisible joints, reducing the likelihood of glancing light issues. **opal** is the whitest and smoothest plasterboard on the market.

This high-performance board has the added benefit of being certified as carbon neutral by Climate Active. **opal** has also been independently certified by Global GreenTag to GreenRate Level A.

application

opal can be used for walls and ceilings in residential projects. Its high-performance is particularly relevant for:

- Keeping your house looking new for longer. Using **opal** for the internal linings can protect walls from the knocks and bumps caused by furniture and daily activities.
- Improving acoustics by reducing sound transmission from one room to another, e.g. in bedrooms, media rooms and children's playrooms.
- Improving the appearance of bright, exposed large open spaces such as living areas, dining rooms or 'alfresco' areas.

key benefits

- **reduces transfer of sound between rooms to improve indoor acoustic quality**
- **resists marks and damage - up to six times less impact damage with 10mm opal board compared to standard 10mm plasterboard**
- **creates beautiful spaces with a smooth premium finish**
- **spans up to 600mm centres in ceilings**

product information

	thickness(mm)	width (mm)	length (mm)			weight* (kg/m²)
			4200	4800	6000	
sheet size	10	1200		•	•	8.4
		1350	•	•	•	
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 S7C4					
combustibility	May be used wherever a non-combustible material is required according to the National Construction Code (NCC) Vol 1 C2D10 (6)(a)					
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

finish

Smooth and uniform surface for painting creating a premium finish.

impact

Great all-round impact resistance reducing the effects of wear and tear.

sound

Systems with **opal** can achieve high levels of sound insulation.

When comparing the sound resistance of **opal** to standard plasterboard on a timber stud wall with insulation, **opal** achieves an improvement of 4dB in the Rw rating. The difference will be even greater compared to the latest lightweight plasterboard linings available now.

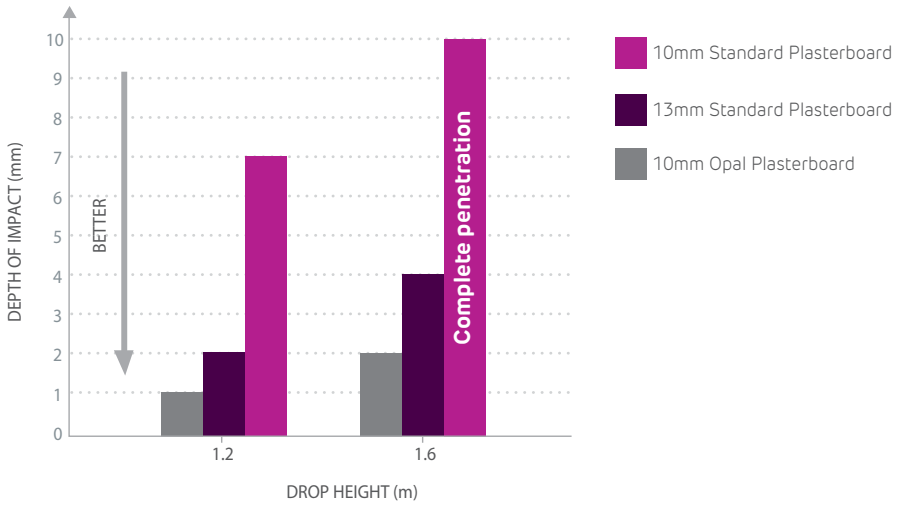
Rw definition:
Rw - Weighted Sound Reduction Index
Rw is used in Australia as the measure of the airborne sound insulating performance of a building element. The higher the number, the greater the sound insulating performance. For example, an increase in the Rw of a wall by 10 points will reduce the perceived loudness of sound passing through the wall by about 50 per cent.

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 can be heard faintly, bass notes 'thump'
70	Loud music can still be heard very faintly

impact test results*

Figure 1. Indentation on wall lining



Complete penetration for standard 10mm plasterboard at a drop height of 1.6m while **opal** only sustained a dent 2mm deep.

opal had half the impact depth of 13mm plasterboard and one sixth of 10mm plasterboard at a drop height of 1.2m.

* Impact testing conducted by Siniat

impact

opal has been tested for soft body impact in accordance with BCA C1.8 and meets the impact requirements for fire rated walls.

Hard body impact resistance was tested with a 50mm steel ball weighing 510 grams, dropped onto 400mm square plasterboard samples. The samples were placed on a 300mm square aluminium support sitting on stable concrete flooring.

— Standard 10mm plasterboard is completely penetrated at a drop height of 1.6m, while **opal** only sustained a dent 2mm deep.

— At a 1.2m drop height, 10mm standard plasterboard suffered an impact more than 7mm deep, while **opal** showed only a minor dent 1mm deep.

carbon neutral plasterboard

Siniat's opt-in carbon neutral program is available on a wide range of locally made plasterboard and metal framing products, but when investing in **opal** customers do not have to opt in: **opal** comes carbon neutral as standard.

The Siniat opt-in carbon neutral program is certified by the **Australian Government's Climate Active,** and **opal** carries the same certification.

The certification provides customers who use **opal** with the opportunity to significantly reduce the carbon footprint of their next build.

installation

For best results **opal** plasterboard should be installed using the '*Screw and Adhesive Method*'. It may also be installed using the '*Fastener Only Method*' or '*Masonry Adhesive Method*' using masta**bond**.

Plasterboard Installation Guide

Refer to the Siniat Plasterboard Installation Guide for more information and installation advice.

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

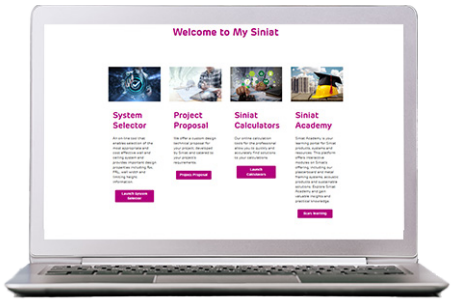
All Siniat products have been developed to meet the specific needs of the Australian market.

All Siniat Australian manufacturing sites comply with AS/NZ ISO 9001.

opal meets the requirements of AS/NZS 2588, Gypsum Plasterboard.

opt2act

A wide range of plasterboard and metal products are available under the Opt2Act carbon neutral program. Opted-in products are certified carbon neutral by Climate Active. Visit www.siniat.com.au/opt2act to find out more.



Register for My Siniat!

My Siniat is an online technical hub where you can access everything you need for a compliant and successful project. It is your all-in-one digital platform for specifying, planning, and managing your Siniat wall and ceiling systems.

By registering for this platform, you will gain exclusive access to technical content, including System Selector, Project Proposal and the Siniat BIM and CAD Library.

You will also gain access to the **Siniat Academy** - a valulable training portal that provides a range of courses to learn more about our products and their applications. Courses are delivered in a fun and interactive way, and a certificate of completion is provided at the end of each module.

Register for My Siniat on siniat.com.au.

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.com.au

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10 year warranty

warranty

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

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