

**GYPROCK™**

Everything else is just plasterboard



Developing plasterboard technology  
for green building practices.



CSRG-2008  
GECA 04-2007  
PANEL BOARDS

**Gyprock EC08™** with reCore™ technology 

**CSR**

# Sustainable Development



CSR has long been committed to managing its impact on the environment and the communities in which it operates. This commitment includes the production of environmentally responsible building products pursuing initiatives such as waste recycling, water conservation and reducing energy consumption and greenhouse gas emissions.

Gyprock™ is focused on sustainable manufacturing processes for its products and systems and operates to measurable targets for waste reduction, water usage and energy consumption.

Gyprock™ plasterboard products are manufactured from gypsum, 100% recycled paper and a small amount of additives. Gyprock's new **reCore™** technology has been developed to allow higher levels of recycled content in its plasterboard production.

## Good Environmental Choice Australia

The Good Environmental Choice Australia (GECA) label has become the national product environmental assurance certification across a very broad spectrum of the Australian market, covering both products and services.

The GECA program delivers a comprehensive life cycle based assessment of product compliance to voluntary environmental declaration standards.

**Gyprock EC08™** plasterboard, with **reCore™** technology is the first Australian made plasterboard to have been certified by Good Environmental Choice Australia.

This certification as a good 'environmental choice' means that the product complies to the environmental and social performance characteristics as detailed in the voluntary environmental labelling standard - Panel Boards.



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# Green Building Council of Australia

The mission of the Green Building Council of Australia (GBCA) is to develop a sustainable property industry and drive the adoption of green building practices through market-based solutions.

The council's key objectives are to drive the transition of the Australian property industry towards:

- **sustainability by promoting green building programs, technologies, design practices and operations;**
- **integration of green building initiatives into mainstream design, construction and operation of buildings.**



## Green Star Ratings

In order to achieve these objectives, the GBCA launched the Green Star environmental rating system for buildings in 2003. Green Star rating tools help the property industry to reduce the environmental impact of buildings, improve occupant health and productivity and achieve real cost savings, while showcasing innovation in sustainable building practices. There are a number of Green Star rating tools available for a variety of sectors, including commercial offices, shopping centres, schools and universities. Pilot tools are currently under review for healthcare, multi-residential, mixed use and industrial projects.

For further information on specific Green Star Rating tools, please visit **[gbca.org.au](http://gbca.org.au)**.

## Gyprock EC08™

As building practices become more sustainable and the green building market increases rapidly, the need for better performing environmental building products is growing.

**Gyprock EC08™** with **reCore™** technology has been developed to meet this need. This technology uses an increased level of recycled material for plasterboard production.

Manufactured to AS2588 – Gypsum Plasterboard, **EC08™** is a fire grade board with increased acoustic performance and can be used in wall and ceiling systems.

**Gyprock EC08™** is easy to install, light green in colour and available in three sizes:

2700 mm x 1200 mm	3000 mm x 1200 mm	3600 mm x 1200 mm
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**Gyprock EC08™** is fully supported by a trained sales team and CSR designLINK™ for technical advice.

## Achieving Green Star Points

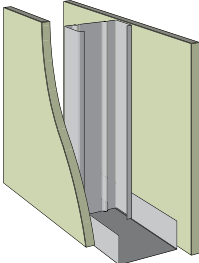
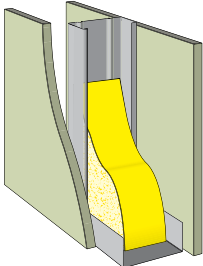
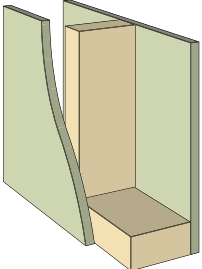
Specifically, **Gyprock EC08™** has the potential to help achieve Green Star points in the rating tools in the following areas:

Management (MAN)	Indoor Environment Quality (IEQ)	Material (MAT)
<ul style="list-style-type: none"><li>• Supplied cut to size to minimise off cuts</li></ul>	<ul style="list-style-type: none"><li>• Internal noise level reduction</li></ul>	<ul style="list-style-type: none"><li>• Recycled content</li></ul>
<ul style="list-style-type: none"><li>• Recycling/re-use of construction off cuts</li></ul>		<ul style="list-style-type: none"><li>• Good Environmental Choice Certification</li></ul>

For further information on how **Gyprock EC08™** can assist in your Green Star project, please download the **EC08™** Data Sheet from [gyprock.com.au](http://gyprock.com.au) or call **13 17 44**.

# Partition Walls

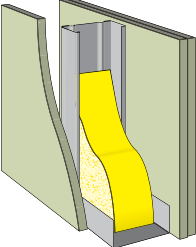
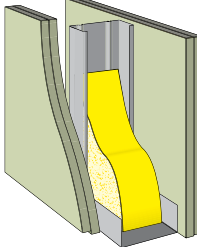
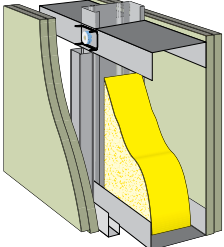
Gyprock EC08™ can be used in standard partition wall configurations for office fit outs, commercial buildings and multi-residential apartments.

<b>Standard partition</b> - Single steel stud	<b>Standard partition</b> - Single steel stud (insulated)	<b>Standard partition</b> - Single timber stud
R <sub>w</sub> <b>38</b> FRL <b>-/60/60</b>	R <sub>w</sub> <b>45</b> FRL <b>-/60/60</b>	R <sub>w</sub> <b>35</b> FRL <b>-/60/60</b>
		
<p><b>System number - CSR 050EC(a)</b></p> <p>Footprint                      90 mm                      Height (max)                3720 mm</p> <p><b>Components:</b></p> <p>13mm Gyprock EC08™                      64mm stud &amp; track                      13mm Gyprock EC08™</p>	<p><b>System number - CSR 050EC(c)</b></p> <p>Footprint                      90 mm                      Height (max)                3720 mm</p> <p><b>Components:</b></p> <p>13mm Gyprock EC08™                      64mm stud &amp; track                      75mm Bradford™ partition batts                      13mm Gyprock EC08™</p>	<p><b>System number - CSR 350EC(a)</b></p> <p>Footprint                      96 mm                      Height (max)                3400 mm</p> <p><b>Components:</b></p> <p>13mm Gyprock EC08™                      70mm stud &amp; track                      13mm Gyprock EC08™</p>



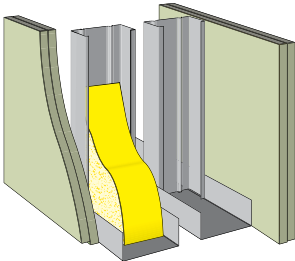
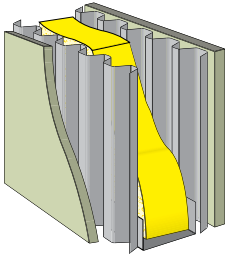
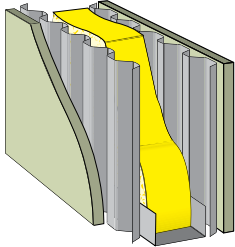
# Partition Walls - High Acoustic

**Gyprock EC08™** has higher acoustic performance compared to standard plasterboard. The following systems have been developed to cater for typical applications requiring a higher acoustic rating.

<b>Corridor wall</b> - Single steel stud	<b>Meeting room</b> - Single steel stud (2 layers both sides)	<b>Studio</b> - Single steel stud (with acoustic mount)
<b>R<sub>w</sub></b> <b>50</b> <b>FRL</b> <b>-/90/90</b>	<b>R<sub>w</sub></b> <b>52</b> <b>FRL</b> <b>-/120/120</b>	<b>R<sub>w</sub></b> <b>57</b> <b>FRL</b> <b>-/120/120</b>
		
<p><b>System number - CSR 040EC(c)</b></p> <p>Footprint                    103 mm                      Height (max)                3720 mm</p> <p><b>Components:</b></p> <p>13mm Gyprock EC08™                      64mm stud &amp; track                      75mm Bradford™ partition batts 14kg/m<sup>3</sup>                      2 x 13mm Gyprock EC08™</p>	<p><b>System number - CSR 075EC(c)</b></p> <p>Footprint                    116 mm                      Height (max)                3720 mm</p> <p><b>Components:</b></p> <p>2 x 13mm Gyprock EC08™                      64mm stud &amp; track                      75mm Bradford™ partition batts                      2 x 13mm Gyprock EC08™</p>	<p><b>System number - CSR 061EC(c)</b></p> <p>Footprint                    156 mm                      Height (max)                3240 mm</p> <p><b>Components:</b></p> <p>2 x 13mm Gyprock EC08™                      Gyprock resilient mount                      Steel furring channel                      76 mm stud &amp; track                      75mm Bradford™ partition batts                      2 x 13mm Gyprock EC08™</p>

# Inter-tenancy and Security Wall™

Gyprock EC08™ is a fire grade plasterboard so it can be used as an inter-tenancy wall or where a separated stud configuration is required.

<b>Inter-tenancy</b> - Double steel stud	<b>Security/Inter-tenancy wall</b> - Security Wall™ Panels	<b>Security/Inter-tenancy wall</b> - Security Wall™ Panels
$R_w/R_w + C_{tr}$ 60/52 FRL -/120/120, 90/90/90	$R_w/R_w + C_{tr}$ 55/47 FRL -/60/60	$R_w/R_w + C_{tr}$ 58/50 FRL -/60/60
		
<p><b>System number - CSR 275EC(c)</b></p> <p>Footprint 200 mm                      Height (max) 3250 mm</p> <p><b>Components:</b></p> <p>2 x 13mm Gyprock EC08™                      2 x 64mm 0.75 BMT stud &amp; track                      75mm Bradford™ partition batts                      2 x 13mm Gyprock EC08™</p>	<p><b>System number - CSR 291EC(c)</b></p> <p>Footprint 131 mm                      Height (max) 4000 mm</p> <p><b>Components:</b></p> <p>13mm Gyprock EC08™                      2 x 27mm Gyprock Security Wall™ panel &amp; track                      75mm Bradford™ partition batts                      13mm Gyprock EC08™</p>	<p><b>System number - CSR 294EC(c)</b></p> <p>Footprint 177 mm                      Height (max) 5200 mm</p> <p><b>Components:</b></p> <p>13mm Gyprock EC08™                      2 x 50mm Gyprock Security Wall™ panel &amp; track                      75mm Bradford™ partition batts                      13mm Gyprock EC08™</p>



# Service Systems



Gyprock EC08™ service systems have been developed for typical Green Star projects. The acoustic rating can be increased by adding more insulation.

Riser/bulkhead - Single steel stud	Riser/bulkhead - High acoustic	Shaft wall - Laminated
<b>R<sub>w</sub>/R<sub>w</sub> + C<sub>tr</sub></b> 33/30 <b>FRL</b> -/30/30, 30/30/30 (from lined side)	<b>R<sub>w</sub>/R<sub>w</sub> + C<sub>tr</sub></b> 53/44 <b>FRL</b> -/120/120 (from outside)	<b>R<sub>w</sub>/R<sub>w</sub> + C<sub>tr</sub></b> 35/32 <b>FRL</b> -/90/90
<b>System number - CSR 090EC(c)</b> Footprint                    102 mm Height (max)                3370 mm <b>Components:</b> 2 x 13mm Gyprock EC08™ 76mm 0.75 BMT stud & track	<b>System number - CSR SS42EC(a)</b> Footprint                    N/A Height (max)                3600 mm <b>Components:</b> steel framing to encase services 2 x 13mm Gyprock EC08™ steel framing 50mm Bradford™ partition batts 2 x 13mm Gyprock EC08™	<b>System number - CSR 967EC(a)</b> Footprint                    39 mm Height (max)                3600 mm <b>Components:</b> 50 x 50 0.88 BMT steel angle 3 x 13mm Gyprock EC08™

For a copy of the Gyprock EC08™ Data Sheet, or for information on the full range of Gyprock EC08™ systems, visit [gyprock.com.au](http://gyprock.com.au) or call **13 17 44**. Ask how Gyprock EC08™ can make a difference to your Green Star project.

The references to green building practices are those of the Green Building Council of Australia. Gyprock EC08™ is the first and only Australian made plasterboard to be certified by Good Environmental Choice Australia as at 15th September, 2008. ©Gyprock, CSR Building Products ABN 008 631 356

