

EC08™ Extreme

NEW!



Engineered for extreme impact

EC08™ Extreme is a multifunction plasterboard engineered, tested and proven to deliver exceptional impact resistance across 3 key areas:

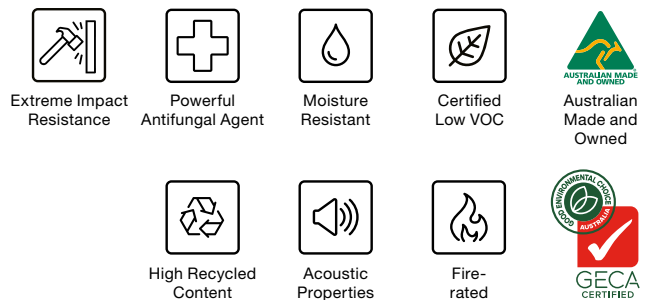
- ✓ Hard body impact
- ✓ Soft body impact
- ✓ Surface indentation

In addition to its impact resistance properties, EC08™ Extreme provides other functional benefits including fire and acoustic ratings as well as mould and moisture resistance. Made in Australia and GECA Certified, this low VOC board is manufactured with a high level of recycled content including a layer of fibreglass mesh, a dense fibre-reinforced core and a thick face paper.

EC08™ Extreme is a top performer that also maintains all the proven benefits of Gyprock® Plasterboard that the Australian construction industry expects. This includes easy handling and installation, conventional jointing methods, and a superb finish after painting.

Typical Applications

EC08™ Extreme is ideal for walls in hospitals, mental health facilities, correctional facilities, sporting facilities, schools, shopping centres or anywhere extreme impact damage of all different types is a risk.



Tested Impact Performance

Thorough testing is undertaken and independently witnessed here in Australia to ensure proven performance.

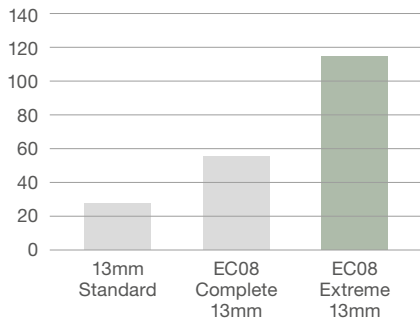


Hard body impact

EC08™ Extreme 13mm is the best performer in the EC08 range in a set of comparative hard body impact tests where a weighted hammer strikes the board, in accordance with ASTM C1629/C1629M-18. In our testing, 114.3 joules of energy was required to damage the board, which is equivalent to a golf ball travelling at over 250km/hr!

Hard Body Impact Testing

The amount of energy in joules required to penetrate the board with a hammer
– Higher score is better –

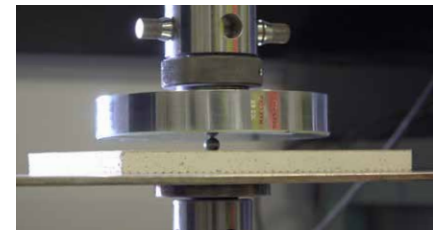
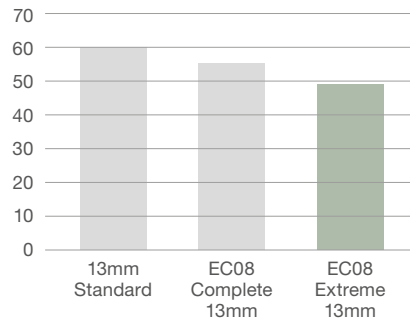


Soft body impact

EC08™ Extreme 13mm meets the requirement of NCC2022 Clause S6C10 (c) [NCC2019: C1.8: 5c]. To verify this a weighted sandbag is swung into the board and the deflection of the board is measured, in accordance with ASTM E 695-03. In comparative testing conducted EC08™ Extreme was our best performing plasterboard for soft body impact.

Soft Body Impact Testing

Measure of board deflection when hit by a weighted sand bag
– Lower score is better –

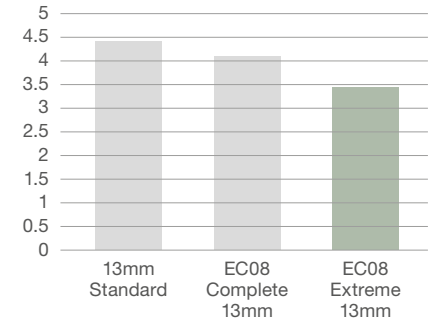


Surface Indentation

EC08™ Extreme 13mm meets the requirements of NCC2022 Clause S6C10 (d) [NCC2019: C1.8: 5d]. This requires no more than a 5mm diameter impression when tested. EC08 Extreme measured 3.42mm when tested, which was the best result achieved in our plasterboard range.

Surface Indentation Testing

Diameter (mm) of indentation measured
– Lower score is better –



Technical Specifications

Product Options

Thickness	13mm
Widths	1200mm
Lengths	3000mm* 3600mm
Edge Profiles	Recessed Edge for regular jointing

* Available as a special order, minimum quantities may apply. Contact your account manager for details.



Physical Properties

Nominal Board Weight**	12.4kg/m ²
Acoustic Performance	Rw 48dB in a system of 64 x 0.5 BMT single stud wall with 75mm 14kg/m ³ glasswool batt. 1 layer of EC08 Extreme 13mm on both sides
Thermal Performance (R-Value)	0.05 m ² K/W
Fire Resistance	FRL -/120/120 with 2 x EC08 Extreme 13mm each side of steel studs
Fire Hazard assessed to AS5637.1	Average Specific Extinction Area (ASEA) <250m ² /kg Group Number 1 Report Reference WFRA 45759
Combustibility in accordance with NCC2022 Clause C2D10 [NCC2019: C1.9]	Gyprock EC08 Extreme 13mm may be used wherever a non-combustible material is required by the Code
Mould Resistance	Pass. Tested to ASTM G-21, score of 0 (no mould growth)
Moisture Resistance	Pass. Tested to AS2588, achieving less than 3.5% absorption over 2 hours
GECA Accreditation	Panel Boards Standard PBv3.0-2021
VOC level	Low. Measures 0.025 mg/m ² /hr, which is below GBCA limit of ≤0.500 mg/m ² /hr
Total Recycled Content	21.3%
SDS	Available at gyprock.com.au

** Subject to reasonable manufacturing variance.