

TECHNICAL DATA

# SHEETROCK® Brand Wall Board

**SHEETROCK® BRAND Wall Board** is USG Boral's newest engineered lightweight alternative to Regular 10mm plasterboard. This plasterboard panel has a high strength to weight composite design. The non-combustible gypsum core is encased in 100% recycled face and back papers. The natural finish face paper is folded around the long edges to protect the core and the ends are cut square and even. The long edges of the panels are recessed, allowing joints to be reinforced with USG Boral joint finishing systems.

## ADVANTAGES

- Light weight, easy to install and handle
- Available in 2 types of edge profiles



## BOARD SPECIFICATION

Feature	Description
Thickness	10mm
Edge Profiles	Recessed edge, Recessed edge/Square edge
Sheet Size (width x length)	1200 x (2400-6000mm), 1350 x (3600-6000mm) [Please refer to Size & Availability Chart for more sizes] Product availability: Certain products and sizes may only be available on order or in pack lots.
Paper Colour	Buff
Mass	5.4 kg/m <sup>2</sup> nominal
Fire Hazard Properties	Group 1 – In accordance with BCA Specification C1.10a Fire Hazard Properties – Floors, Walls and Ceilings
Combustibility	Non Combustible material as defined in BCA Deem-to-Satisfy Provisions C1.12
VOC	Less than 0.5mg/m <sup>3</sup> TVOC*
Manufacture	Manufactured in Australia to the requirements of AS/NZS 2588:1998 Gypsum plasterboard and in accordance with AS/NZS ISO 9001:2008 – Quality management systems – Requirements

\*Total Volatile Organic Compounds

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## INTENDED FOR

- Non-fire rated wall and ceiling applications.
- New residential or commercial construction.
- Repair and alterations of existing buildings.

## LIMITATIONS

- Avoid exposure to sustained temperatures exceeding 42°C.
- Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
- Maximum wall frame spacing is 600mm.
- Maximum ceiling frame spacing is 450mm.
- Must be stored under cover.

## FINISHING AND DECORATING

For high-quality finishing results, USG Boral recommends the following products:

- USG Boral ready-mixed joint compounds eg. RediBase™, Total Lite™ or LiteFinish™
- USG Boral setting-type joint compounds eg. BaseCote® or EasySand™
- SHEETROCK® Brand joint tape
- SHEETROCK® Brand paper faced metal bead and trim
- USG Boral, SHEETROCK® Brand Tuff-Hide™ primer-surfacer

Refer AS/NZS 2589:2007 Gypsum linings – Application and Finishing, to determine the level of finishing needed to ensure a surface properly prepared to accept the final decoration.

Where plasterboard walls and ceilings will be subjected to severe artificial or natural side lighting, or be decorated with a gloss paint (egg shell, semi-gloss or gloss), the plasterboard panel surface should be skim coated with joint compound. This equalises suction and texture differences between the plasterboard face paper and the finished joint compound before painting. Refer AS/NZS 2311:2009, Guide to the Painting of Buildings. As an alternative to skim coating, or when a Level 5 finish is required, use USG Boral Tuff-hide™ primer-surfacer.

## INSTALLATION

### CEILING LOADS AND SPANS

Gypsum board spans and loads directly supported on ceiling linings must not exceed the maximum values indicated in the table below.

Loads in excess of maximum allowable must be supported independently from a roof or ceiling structure.

### GYPSUM BOARD FASTENERS

For full installation details, refer to USG Boral website [www.usgboral.com](http://www.usgboral.com) or call TecASSIST on 1800 811 222.

## Maximum loads and spans for internal ceilings

Total load <sup>1</sup> (kg/m <sup>2</sup> )	Board type	Wind class			
		N1	N2	N3	N4
Less than or equal to 2.0	10mm SHEETROCK® Brand Ceiling Board 13mm SHEETROCK® Brand Standard Board	600	600	600	600
	10mm SHEETROCK® Brand Wall Board	450	450	450	450
Above 2.0 and no greater than 2.6 <sup>2</sup>	10mm SHEETROCK® Brand Ceiling Board 13mm SHEETROCK® Brand Standard Board	600	600	450	450
	10mm SHEETROCK® Brand Wall Board	450	450	NA	NA

## Nail length (mm)

Plasterboard thickness	Timber frame				Steel frame
	Boral smooth shank gold passivated nails <sup>3</sup>	Boral annular ring shank nails <sup>3</sup> and uni-nails <sup>3</sup>	Galvanised nails <sup>3</sup> (2.8mm dia UNO)	Type W screws <sup>4</sup>	Type S <sup>5</sup> and Type D <sup>6</sup> screws
1 x 10mm	40 softwood	30	40 softwood	6-9 x 25W wall	6-18 x 25 <sup>7</sup> D,S
	30 hardwood		30 hardwood	6-9 x 32W ceiling	
1 x 13mm	40 softwood	30	40 softwood	6-9 x 32W	
	30 hardwood		30 hardwood		

<sup>1</sup> Total load includes weight of insulation and any fixtures directly supported on ceiling linings.

<sup>2</sup> One third fixing method only

<sup>3</sup> Nail lengths are minimums, however care is needed when selecting longer nails to avoid nail bending in hardwoods or popping of plasterboard with unseasoned timber.

<sup>4</sup> "W" is a single start, needle point, bugle head type W gypsum screw for fixing to hardwood and softwood framing. In some instances double start thread screws are permissible (refer USG Boral).

<sup>5</sup> "S" is a double start, needle point, bugle head type S gypsum screw for fixing to steel gauges of up to 0.80mm BMT.

<sup>6</sup> "D" is a double start, drill point, bugle head type D gypsum screw for fixing to steel gauges 0.80 to 2.00mm BMT.

<sup>7</sup> For ease of construction with framing steel gauges of less than 0.8mm BMT use 30mm minimum screw length.

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## ACOUSTICS

### Steel Stud Walls

Wall linings	Stud size (mm)	64	92
	Insulation	Rw	
1x10mm SHEETROCK® Brand Wall Board both sides	Nil	30	31
	TSB2	34	37
	50G11, 50P14	35	38
	75G11, 75P14	–	39

Insulation legend:

### Glasswool Insulation

Insulation designation	Insulation type
50G11	50mm Pink® Partition 11 by Fletcher Insulation
75G11	75mm Pink® Partition 11 by Fletcher Insulation
50G14	50mm Pink® Sonobatts by Fletcher Insulation
70G14	70mm Pink® Sonobatts by Fletcher Insulation

## COMPLIANCE

- Manufactured under AS/NZS ISO 9001:2008 “Quality Management Systems – Requirements” to meet or exceed AS/NZS 2588:1998 “Gypsum Plasterboard”.
- Complies with the requirements of Building Code of Australia and relevant Australian Standards.
- Classified as non-combustible according to BCA section C1.12.
- Qualifies as low VOC emitting material, less than 0.5mg/m<sup>3</sup> TVOC.
- Classified as non-hazardous in accordance with NOHSC Australia.

## SUSTAINABILITY

USG Boral products are manufactured from a combination of natural gypsum, and paper liner made from 100% reclaimed and recycled paper waste. Plasterboard waste can be reclaimed and recycled into new plasterboard, or reused as soil conditioner.

### Timber Stud Walls

Wall linings	Stud size (mm)	70	90
	Insulation	Rw	
1x10mm SHEETROCK® Brand Wall Board both sides	Nil	29	30
	TSB2	35	37
	70G14, 70P14	36	38

### Polyester Insulation

Insulation designation	Insulation type
TSB2	TSB2 by Tontine Insulation (or equivalent)
50P14	50mm thick, 14kg/m <sup>3</sup> density
70P14	70mm thick, 14kg/m <sup>3</sup> density
75P14	75mm thick, 14kg/m <sup>3</sup> density

## WASTE MANAGEMENT

Waste collection services are available to divert acceptable plasterboard waste away from landfill for recycling or re-processing for other uses. For information on waste collection services available, please contact your local USG Boral office.

## VOLATILE ORGANIC COMPOUNDS (VOC) AND FORMALDEHYDE MINIMISATION

USG Boral products, compounds and adhesive have been independently tested to confirm compliance with Green Star specification limits for VOCs and are formaldehyde free.

## REFERENCES

Refer [www.usgboral.com](http://www.usgboral.com) for Material Safety Data Sheet, Volatile Organic Compound Emission details and other additional information.

SALES ENQUIRIES 1800 003 377

TecASSIST® 1800 811 222

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This technical information is intended to provide general information on plasterboard products and should not be a substitute for professional building advice. We recommend you use a qualified person to install USG Boral plasterboard. Illustrations in this guide are only representative of USG Boral plasterboard products and the appearance and effects that may be achieved by their use. To ensure the information you are using is current, USG Boral recommends you review the latest building information available on the USG Boral website. [www.usgboral.com](http://www.usgboral.com)

USG Boral Building Products Pty Limited – ABN 84 004 231 976  
251 Salmon Street, Port Melbourne, Vic. 3207

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