

Soundstop® 13mm

Soundstop® 13mm plasterboard contains a minimum 10% overall recycled content, ideal for non fire-rated systems requiring both GECA and acoustic performance in residential and commercial buildings such as Office and Multi Unit Residential Green Star projects. Soundstop® 13mm plasterboard is specifically developed for use in high-performance acoustic wall and ceiling systems not requiring fire-rating such as QuietZone®, CinemaZone® and other proprietary systems.

It is also used in fire rated systems, such as Partiwall®, to satisfy the relevant acoustic provisions of the Building Code of Australia (BCA).

Soundstop® 13mm is certified by Good Environmental Choice Australia (GECA) and may contribute to Green Star points.

ADVANTAGES

- High acoustic performance
- Internal wall and ceiling applications
- GECA Accreditation
- May contribute to green star points



BOARD SPECIFICATION

Feature	Description
Thickness	13mm
Edge Profiles	Recessed edge
Sheet Size (width x length)	1200 x 3000mm, 1200 x 3600mm, 1350 x 3600mm [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	Light yellow
Mass	12kg/m ² 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 ³ TVOC
GECA	Certified to GECA 04-2011 v2 - Panel Boards
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



BOR-2011
GECA 04-2011 v2
Panel Boards

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PERFORMANCE DETAILS

ACOUSTIC

Soundstop®, when used in an acoustic system can provide required levels of sound insulation to achieve specified acoustic ratings.

AIRBORNE NOISE

WEIGHTED SOUND REDUCTION INDEX (R_w)

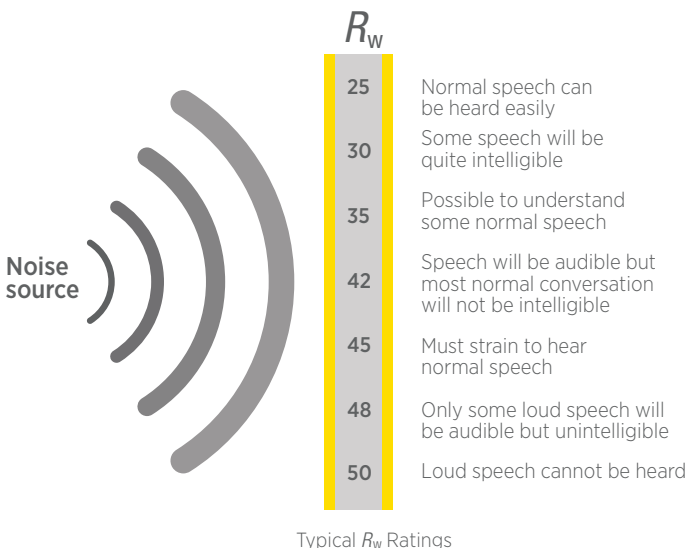
Noise sources such as voices, television sets/home theatre and musical instruments, generate sound in the air in one room and this sound passes through the partition and into the room on the other side.

This is known as airborne noise.

The Building Code of Australia (BCA) has adopted the Weighted Sound Reduction Index (R_w) as a measure of sound isolating properties of building elements. A partition with a high R_w rating isolates sound better than a partition with a low R_w rating. If two partitions are compared subjectively and one has an R_w which is 10 rating points higher, then the noise passing through the better wall will be about half the loudness of the lesser wall. The R_w ratings are obtained from tests carried out in certified laboratories, under controlled conditions.

SPECTRUM ADAPTATION TERM (C_{tr})

The R_w alone is not a good indicator of how well the partition isolates low frequency (bass) sounds. To improve the low frequency performance of wall and ceiling partitions, the BCA requires specific walls to meet an $R_w + C_{tr}$ criterion. When the C_{tr} is combined with the R_w , the result is a single



There are two types of noise transfer through partitions, airborne transfer, and structure borne transfer. Both may need to be considered in order to achieve the desired result.

INSTALLATION

Refer to USG Boral website www.usgboral.com/plasterboard or call TecASSIST® on 1800 811 222.

SUSTAINABILITY

- Soundstop® is manufactured with a high density core using recycled materials technology and 100% recycled liner paper.
- Soundstop® has been independently certified by Good Environmental Choice Australia (GECA) and complies with requirements of GECA 04-2011 v2 – Panel Boards Standard.
- Independently tested for VOC and formaldehyde.
- The use of Soundstop® may contribute credit points when assessed under various Green Star Rating Tools.

MANAGEMENT (MAN)

WASTE MANAGEMENT

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

INDOOR ENVIRONMENT QUALITY (IEQ)

INTERNAL NOISE LEVELS

Soundstop®, when used in an acoustic system, can assist in controlling noise levels and occupant comfort through the attenuation of noise transmissions.

INDOOR ENVIRONMENT QUALITY (IEQ)

VOLATILE ORGANIC COMPOUNDS (VOC) AND FORMALDEHYDE MINIMISATION

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

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GBCA GREEN STAR RATINGS

The Green Building Council of Australia (GBCA) has developed a number of assessment tools to determine GBCA Green Star Ratings. Soundstop® may contribute to the overall rating as outlined in the table above.

Green Star Rating Tools¹

Systems Configuration	Assessment Categories			
	Management (Man)	Indoor Environmental Quality (IEQ)		Materials (Mat)
	Waste Management	Internal Noise Levels	Volatile Organic Compounds	Walls and Partitions
Office Interiors v1.1	Man-6	IEQ-10	IEQ-11	Mat-3
Office Design v3	Man-7	IEQ-12	IEQ-13	-
Office As Built v3	Man-7	IEQ-12	IEQ-13	-
Retail Centre v1	Man-7	IEQ-7	IEQ-8	-
Education v1	Man-7	IEQ-7	IEQ-8	-
Healthcare v1	Man-7	IEQ-7	IEQ-8	Mat-14
Multi Unit Residential v1	Man-7	IEQ-7	IEQ-8	Mat-14

^{*1} Information regarding Green Star Points and Green Star Rating Tools is correct as at the date of publication. We recommend that you review the latest Green Star rating information available at gbca.org.au/green-star/

REFERENCES

Refer www.usgboral.com/soundstop for Material Safety Data Sheet, Volatile Organic Compound Emission details and Fire Test Report 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

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BCC 12961 10/2014

