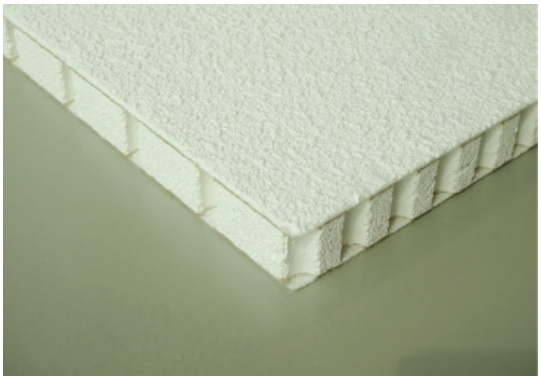
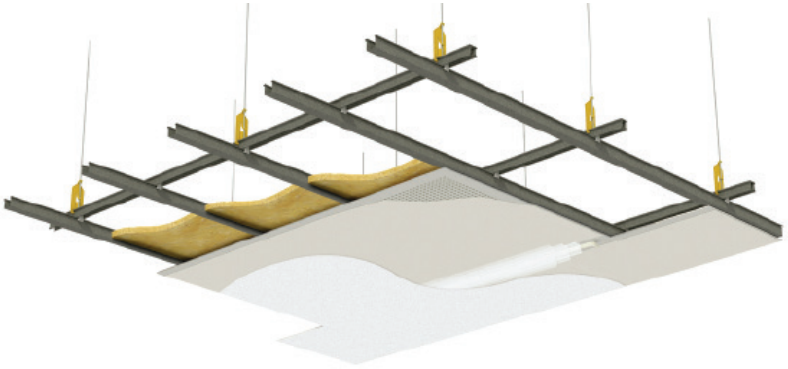
Ceilings

ENSEMBLE™ MONOLITHIC ACOUSTICAL CEILING SYSTEM





Features and Benefits

Seamless plasterboard look with true acoustical performance.

- Non-directional, monolithic appearance with fine texture, available in standard white and custom PANTONE® colours*
- Highly engineered USG Boral Ensemble™ Ceiling Panels to optimise sound performance
- Installs and finishes similar to traditional plasterboard
- Up to NRC 0.80, α^w 0.80, CAC 50
- High light-reflective finish (LR-0.85) reducing fixture and energy use
- Acoustically transparent spray-applied finish
- Up to 50% lower installed cost versus acoustical plaster systems

Board Specification

Feature	Description
Thickness	13mm (Including veils)
Patterns	12.0mm round hole
Edge Profile	Recessed edge
Sheet Size	1200 x 3000mm
Paper Colour	Ivory paper (front)
Veil Colour	White veil (front and back)
Open Area	20%
Mass	6.8Kg/m² (Note: perforated and laminated)
Fire Hazard Properties	Group 1 - Australia, Group 1s - New Zealand (AS/NZS3837)
VOC	Less than 0.5mg/m³ TVOC

Flat White 050

Custom PANTONE® Colour

Applications

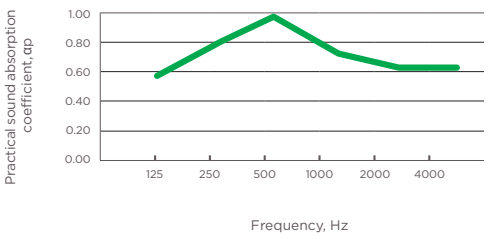
- Reception areas
- Lobbies
- Conference rooms
- Restaurant dining areas
- Museums
- Galleries
- Spaces with multiple hard surfaces
- Courtrooms
- Offices
- Classrooms/higher education
- Libraries
- Healthcare offices and lobbies
- Retail
- Atrium

Performance Data

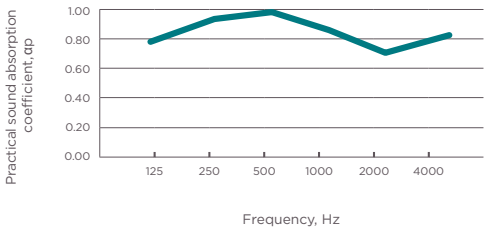
Sound absorption performance ratings

Mounting	Insulation	NRC	SAA	α^w	Test Report No.
E-200	None	0.70	0.75	0.70(LM)	ATS17-043-RP025
	90mm glasswool, 14kg/m³	0.80	0.85	0.80	ATS17-043-RP027

Mounting: E-200
Insulation backing: nil



Mounting: E-200
Insulation backing: 90mm glasswool, 14kg/m

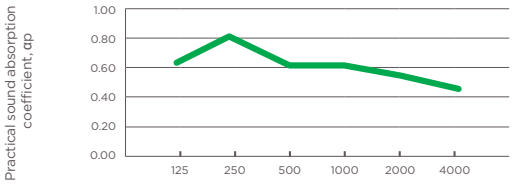


Notes

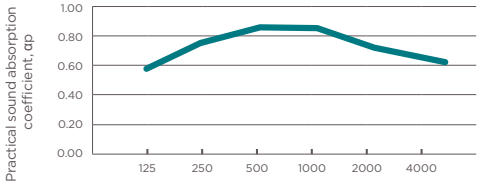
1. Tested in accordance with ASTM C423 – 09a 'Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method'.
2. Testing conducted at Acoustic Testing Services Limited (ATSL), Hong Kong.
3. αw derived from ASTM test report.
4. Performance data shown are results of actual tests conducted by USG Boral.

Mounting	Insulation	NRC	SAA	α^w	Test Report No.
E-400	None	0.60	0.68	0.65(LM)	ATS17-043-RP018
	90mm glasswool, 14kg/m³	0.80	0.81	0.81	ATS17-043-RP020

Mounting: E-400
Insulation backing: nil



Mounting: E-400
Insulation backing: 90mm glasswool, 14kg/m



Over-partition performance ratings

Insulation	CAC	Test Report No.
None	34	STR18011-6
90mm glasswool, 14kg/m³	50	STR18011-3

Notes

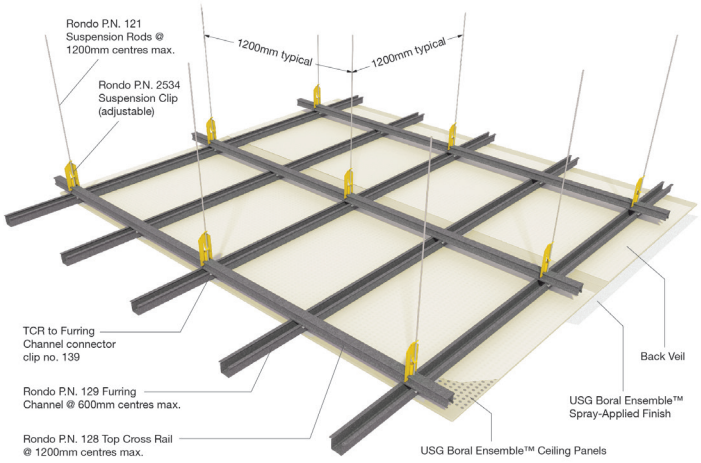
1. Tested in accordance with ASTM E1414 'Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceilling Plenum'.
2. Testing conducted at Supreme NAP Acoustics (Huizhou) Ltd. Laboratory, China.
3. Performance data shown are results of actual tests conducted by USG Boral.

System Components

Product	Sizes	Remarks
Rondo Top Cross Rail (PN 128)	Length: 3600mm Height: 38mm	Spaced at 1200mm centres maximum
Rondo Furring Channel (PN 129)	Length: 3600mm Height: 28mm	Spaced at 600mm centres maximum
Rondo Furring Channel Track (for perimeter) (PN 140)	Length: 3000mm	-
Rondo TCR and Rod Joiner (PN 2534)	-	-
Rondo TCR to FC Joiner (PN 139)	-	-
Rondo 5mm Soft Galvanized Suspension Rod (PN 121)	Length: 3600mm	Spaced at 1200mm centres maximum
90mm thick 14kg/m^3 glasswool	600 x 2700mm	10 pcs per bag
USG Boral Ensemble™ Ceiling Panels	13mm x 1200mm x 3000mm	-
USG SHEETROCK® Paper Joint Tape	52mm x 75m	-
USG Boral BaseCote™ 45	20kg bag	-
USG Boral SHEETROCK® Lightweight Finishing Compound Plus 3	18kg per pail	-
USG Boral Ensemble™ Spray-Applied Finish	17L per pail	PANTONE® Colours available, lead times apply

Installation Details

Using Rondo's Suspended Grid as the primary framing system, the USG Boral Ensemble™ system offers a sophisticated seamless appearance with excellent sound absorption. Joints are finished like conventional plasterboard and acoustically transparent USG Boral Ensemble™ Spray-Appled Finish is applied to the surface of the final decoration. See USG Boral Ensemble™ Technical Manual (Installation Guide) for full details.



Limitations

1. For interior ceilings only.
2. Not for use in areas subject to continuous high heat and/or humid conditions.
3. Return air ducts and other fixtures shall be installed to the manufacturer's recommendations and local building code requirements.
4. Installations must be done according to USG Boral Technical Manual (Installation Guide) to ensure warranted performance.
5. In order to ensure installed performance, component substitutions are not permitted.

PRODUCT INFORMATION

See USGBoral.com/au/ensemble for the most up-to-date product information

SALES ENQUIRIES

1800 003 377

TECHNICAL ASSISTANCE

TecASSIST™ 1800 811 222

This Technical Information Guide is intended to provide general information and should not be used as a substitute for professional advice. There are many variables that can influence construction projects which affect whether a particular construction technique is appropriate. Before proceeding with any project we recommend you obtain professional advice to ascertain the appropriate construction techniques to suit the particular circumstances of your project having regard to the contents of this Installation Manual. We recommend you use qualified tradespersons to install this system. The technical information contained in this manual was correct at the time of printing (JUN 2018). Building systems, details and product availability are, however, subject to change.

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