

Product	DesignerWall® Acoustic Barrier & Feature Fencing
Product Description	DesignerWall® is a modular acoustic barrier and feature fence system for retail, commercial and residential projects available in either a pre-finished or a 'Texture Ready' coating.
Supplier	BONDOR®
Contact Number	1300 300 099
Website	www.designerwallfence.com.au

Product Overview

Core	EPS-FR (Expanded Polystyrene with fire retardant)
Module Column Centre Spacing (mm)	2400, 3000
Module Panel Width (mm)	2300, 2900. *Non-standard available depending on request.
Module Height (mm)	900-3000 (depending on panel height & post engineering)
Module Panel Height (mm)	900, 1200
Module Panel Thickness (mm)	75
Column Type	Allegra Series. Other engineered column option available.
Column Size (mm)	Width: 140 Depth: 105
Column Material	Aluminium
Module Panel Exterior Material	BlueScope® COLORBOND Steel or 'Render Ready' pre-primed steel
Module Panel Exterior Colour Options	Woodland Grey®, Shale Grey™, other colours available subject to minimum order quantities and availability
Paint System	AS/NZS 2728 & AS 1397
Acoustic Properties	Rw 25 (see acoustic report for dB reduction values)
Bushfire Attack Level	BAL-40 (All exposed core to be covered with flashing)
Wind Regions	A & B

Technical Properties

Acoustics - AS 1191, AS/NZS 1276 & AS/NZS ISO 717.1

R_w Value (dB)	DesignerWall® has been tested in accordance with the requirements of AS 1191. The Weighted Sound Reduction Index (R _w) of the panel is calculated using AS/NZS 1276 and AS/NZS ISO 717.1 respectively with acoustic values of R _w 25. Refer to Bondor® Australia for your specific application.
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Fire

Fire Hazard Properties	AS/NZS 1530.3
Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Index	2-3
SMOGR_{RC}	< 100

Structural - AS/NZS 1170, AS 1562.1, AS4040

Span Tables	Bondor® provides the latest Ultimate Limit State Span Tables developed specifically for Australasian conditions, in accordance with AS/NZS 1170, AS 1562.1 & AS 4040. Refer to Span Tables for detailed design guidelines and Span Tables for Non-Cyclonic Regions A & B. Extended Span Tables for Internal Wall, Ceiling and Coldroom Applications, and for Residential Applications are also available. Refer to Span Table Notes for design guidelines relating to fixing, and deflection limits. The panel design shall be specified by the certifying engineer as determined from the Span Tables.
Support Details	The support spacing shall be specified by the structural engineer as determined from the Span Tables.

Safe Handling & Installation

Panel Length	Up to 16m, however site, transport and wind load restrictions can limit panel length.
Storage	Panels should always be kept dry and if placed on site, stored off the ground, slightly inclined, allowing adequate drainage and ventilation of the panel pack. No other materials to be stored / stacked on top of panel pack.
Handling	In the event of manual handling, careful consideration should be given to panel weight and appropriate PPE. Consider using mechanical aides if necessary.
Safety	The contractor is to determine and use safe working methods throughout the installation and construction period, which complies with OHS requirements. A safe work method template (although NOT project specific) is available from Bondor®.
Supporting Frame	The builder is to ensure that the substrates including slabs and kerbs; and sub frames are straight, smooth and fit for purpose.
Installation	<p>Installation as per the Bondor® Standard Construction Details.</p> <ul style="list-style-type: none"> • Panels are to be cut & trimmed to ensure a flush finish. • Panels are to be confirmed square & plumb as per project requirements. • Panels are to be cut with a suitable metal cutting circular type saw. Angle grinder is not recommended. • Penetrations for outlets, vents, flues etc. are to be flashed & sealed with appropriate materials. Refer flashing details above. • Gaps to be filled with a suitable sealant or foam filler. • Refer to Bondor® Standard Construction Details & Fixing Details above for fastener requirements. • Remove all swarf and any foreign matter immediately from all panel surfaces as per BlueScope TB-5 Swarf staining of steel profiles.
Maintenance	Refer to BlueScope TB-4 Maintenance of COLORBOND® and Zinalume® Steel and the relevant Bondor® maintenance information.

Warranties & Disclaimers

Warranty	Bondor® offer a conditional warranty up to 10 years on BondorPanel® for use as cool room panels from install date for projects on an application basis, dependent on project location, design, installation, end use, environmental conditions and maintenance of the product. Please contact Bondor® sales team with your specific project details for more information on the available conditional warranties.
Disclaimers	Under certain light conditions this product may show an undulating surface which can vary depending on exterior profile and steel gauge selection as well as the environments varying light conditions.