

FIRE RESISTANT PLYWOOD

TECHNICAL DATA SHEET published in August 2021

FR Plywood is a hard-wearing and fire-resistant product for interior use. Offered in standard sizes and thicknesses, the boards can be impressively machined or perforated.



Technical Information

Zenthe Common Name	FR Plywood
Typical Applications	Wall or ceiling interior lining
Advantages	Excellent wearability Fire resistant properties Sustainably sourced options

Typical Physical Properties

Appearance	Natural light brown.
Panel size	2400 x 1200, 2700 x 1200, 3000 x 1200
Panel thickness	12mm, 16mm, 18mm
Panel density	12mm: 8kg/m ² 16mm: 10kg/m ² 18mm: 12kg/m ²
Group Fire rating	NZ: 1S AUS: 2 <i>(Hoop Pine requires intumescent coating)</i>
NRC rating	See sheet that follows for various % of the panel that is uncovered. Please note that these NRC values are based on the panels being installed over 20-100 acoustic blanket

Environmental Properties

Green Building rating compliance	Refer to EnviroSpec Summary Sheet
Sustainably sourced	Available with: FSC® Chain of Custody PEFC™ Certification
Formaldehyde Emission	E0 – FR Poplar No reading – FR Birch

Other Information

Installation method	Screw fix/adhesive fix
Perforations / cut-outs	Custom slots, holes, grooves as required
Backing	Black 1mm felt

FR Birch



FR Poplar



Hoop Pine



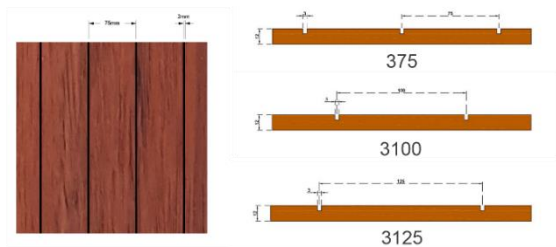
Panelling and Perforation

Perforation patterns are diverse and can be almost fully customized.

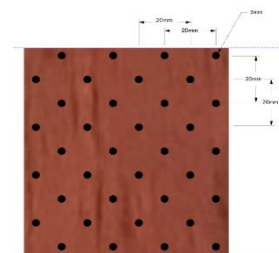
See most common patterns below.

Please note the 'panelling' patterns refer to straight cut panels without the option of acoustic backing. All other patterns have the option of acoustic backing each with a percentage of uncovered area unique to the pattern.

ZPS - Zenthe Panelling Square Sawcuts

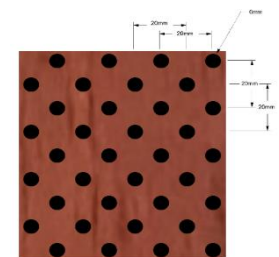
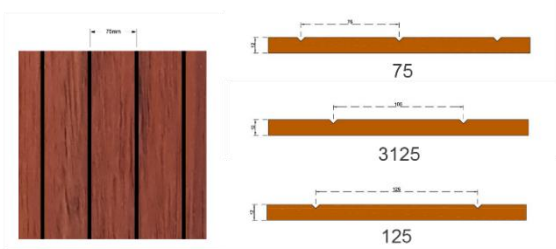


ZHS - Zenthe Holes



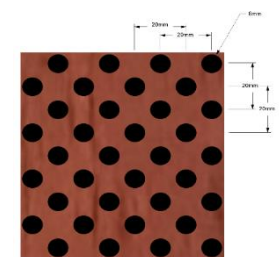
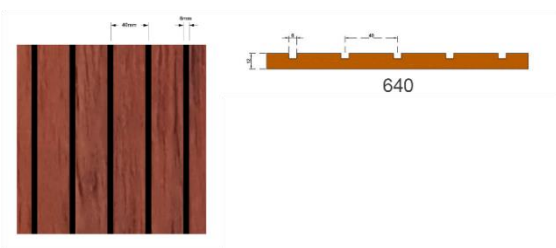
ZHS320

ZPV - Zenthe Panelling V-Grooves

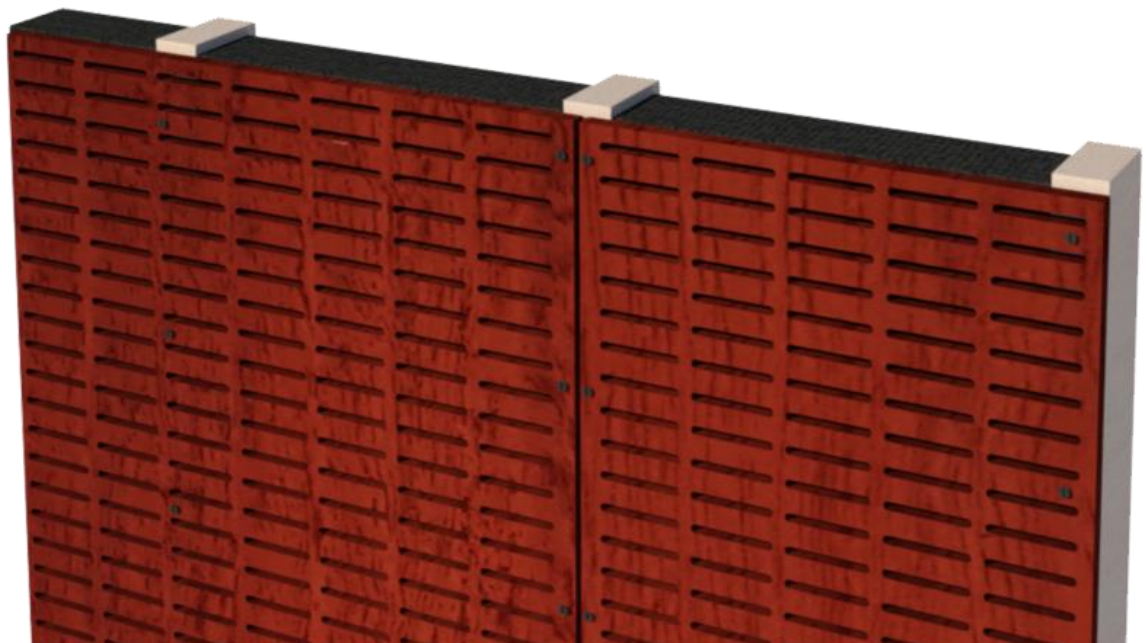


ZHS620

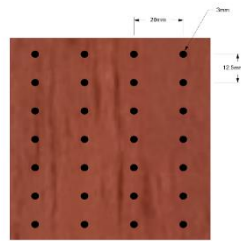
ZWN - Zenthe Sawcuts



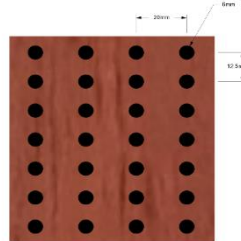
ZHS820



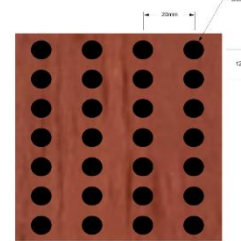
ZHN - Zenthe Holes



ZHN3125

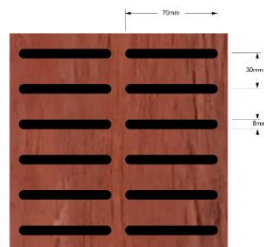


ZHN6125

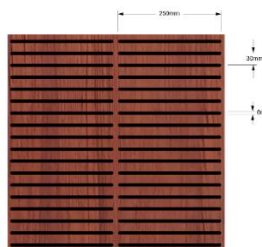


ZHN8125

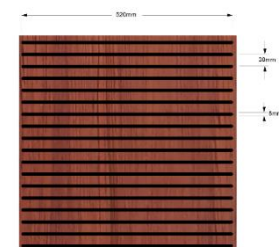
ZSN - Zenthe Slots



ZSN870



ZSN8250



ZSN8520

Estimated NRC Values

	PANEL SIZE	NRC
WHEN USED IN CONJUNCTION WITH AAB 20-100 ACOUSTIC BLANKET		
6mm hole 10% uncovered/open area	12mm	0.80
	18mm	0.70
8mm hole 20% uncovered/open area	12mm	0.95
	18mm	0.90
8mm slot 10% uncovered/open area	12mm	0.75
	18mm	0.70
8mm slot 20% uncovered/open area	12mm	0.90
	18mm	0.85



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