

# FIRE RESISTANT PLYWOOD

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## **TECHNICAL DATA SHEET** published in October 2021

FR Plywood is an impact resistant, acoustic and fire retardant decorative wall and ceiling lining system.

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## Technical Information

<b>Zenthe Common Name</b>	FR Plywood
<b>Typical Applications</b>	Wall or ceiling interior lining
<b>Key Features</b>	Suitable for direct fix and suspended ceiling systems 5 year product warranty Group 1S fire rating with no intumescent coating

## Typical Physical Properties

<b>Appearance</b>	Natural light brown.
<b>Panel size</b>	2400 x 1200, 2700 x 1200, 3000 x 1200
<b>Panel thickness</b>	12mm, 16mm, 18mm
<b>Panel density</b>	12mm: 8kg/m <sup>2</sup> 16mm: 10kg/m <sup>2</sup> 18mm: 12kg/m <sup>2</sup>
<b>Group Fire rating</b>	NZ: 1S AUS: 2
<b>NRC rating</b>	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

<b>Green Building rating compliance</b>	Refer to EnviroSpec Summary Sheet
<b>Responsibly sourced</b>	Available with: FSC® Chain of Custody PEFC™ Certification Ask for our FSC®/PEFC™ certified products
<b>Formaldehyde Emission</b>	E0 – FR Poplar No reading – FR Birch

## Other Information

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

FR Birch



FR Poplar



## Panelling and Perforation

Perforation patterns are diverse and can be almost fully customized.

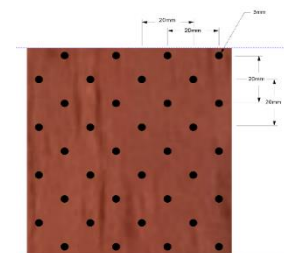
See most common patterns below.

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.

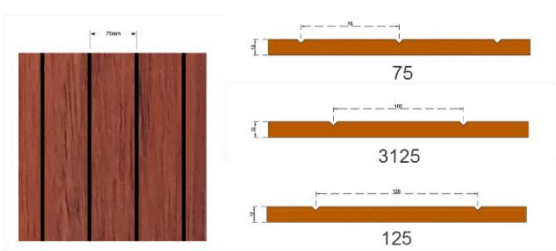
ZPS - Zenthe Panelling Grooves



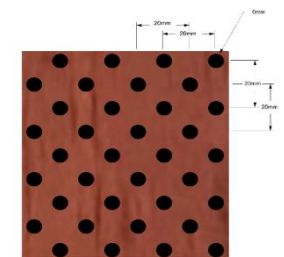
ZHS - Zenthe Holes



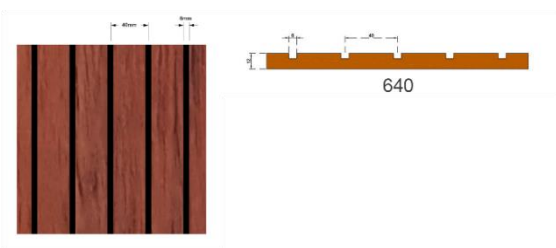
ZPV - Zenthe Panelling V-Grooves



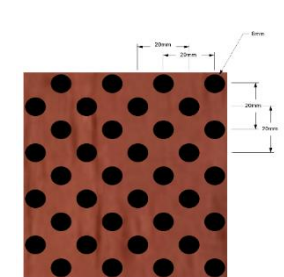
ZHS320



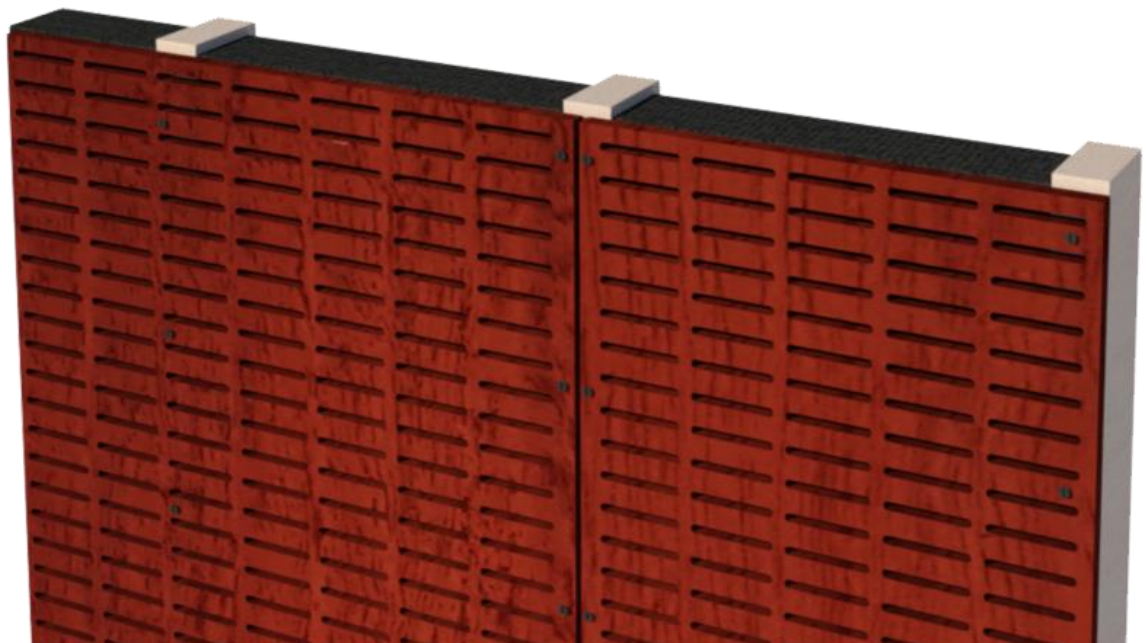
ZPGA - Zenthe Grooves Acoustic



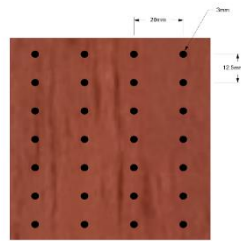
ZHS620



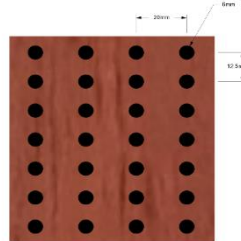
ZHS820



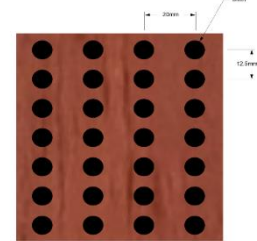
## ZHN - Zenthe Holes



ZHN3125

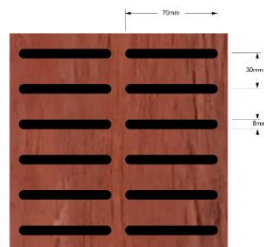


ZHN6125

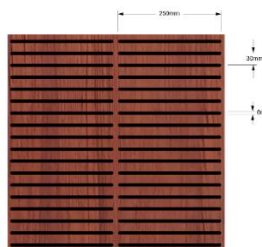


ZHN8125

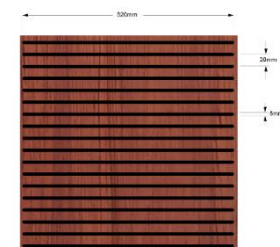
## ZSN - Zenthe Slots



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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