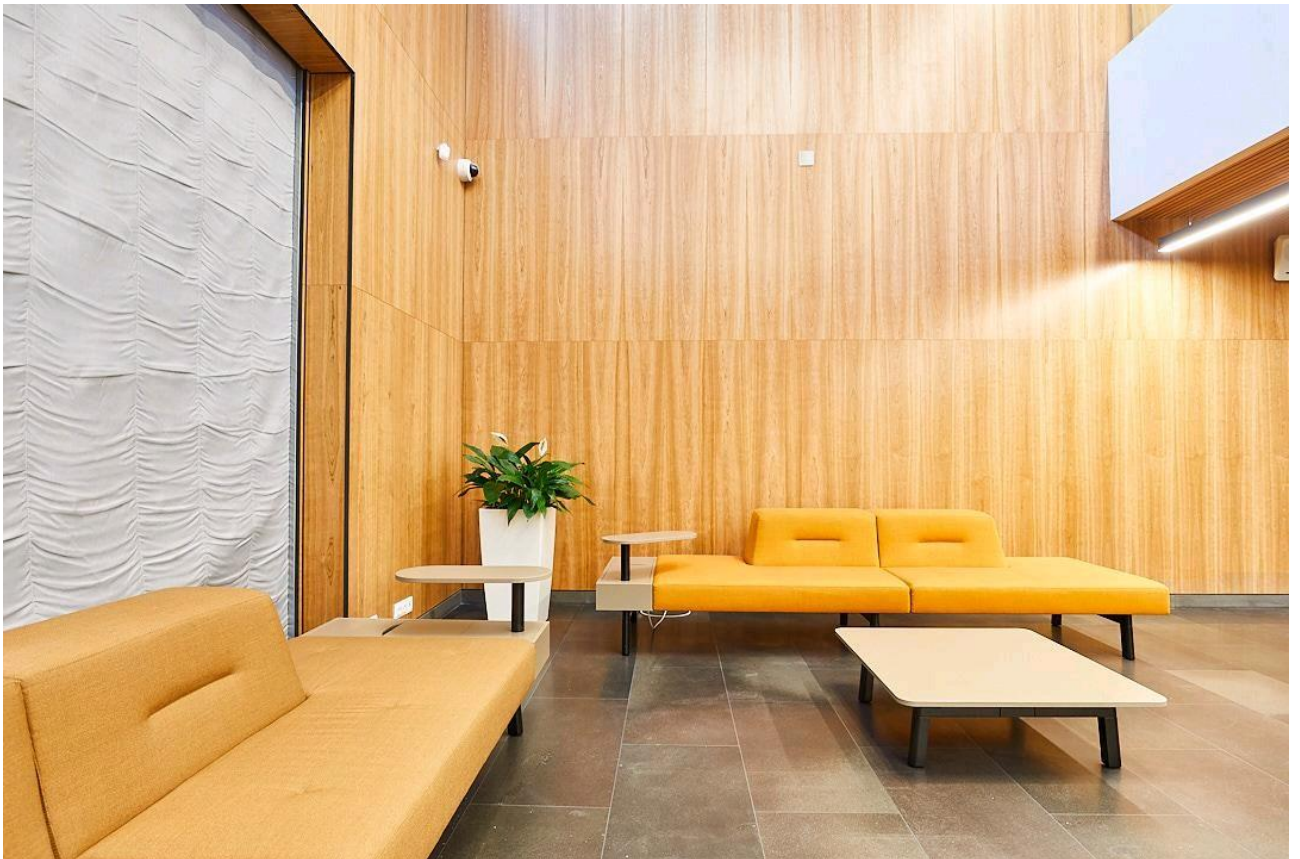


FIRE RETARDANT MDF

TECHNICAL DATA SHEET published in October 2021

FR MDF is a hardwearing, acoustic and fire-retardant decorative wall and ceiling lining system.



Technical Information

Zenthe Common Name	FR MDF
Typical Applications	Wall lining or ceiling lining
Option 1	Pressed timber veneer finish. A large choice of real timber veneers available, displaying the warmth and good looks of natural timber.
Option 2	Paint finish. Most commonly black matte for a terrific clean and sharp finish.
Key Features	Suitable for direct fix and suspended ceiling 5-year product warranty Group 1S fire rated with no Intumescent Coating

Typical Physical Properties

Appearance	Black or Natural light brown. FR MDF is used as a substrate that can be combined with a timber veneer or a satin paint finish.
Panel size	2400 x 1200, 2750 x 1200, 3000 x 1200
Panel thickness	12mm, 16mm, 18mm
Panel density	12mm: 9kg/m ² 16mm: 11.5kg/m ² 18mm: 12kg/m ²
Group Fire rating	NZ: 1S (FR MDF with Veneer: 1S) AUS: 1 (FR MDF with Veneer: 2)
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.
Responsibly sourced	Available with: FSC® Chain of Custody PEFC™ Certification Ask for our FSC®/PEFC™ certified products
Formaldehyde Emission	Low Emissions (E1 or less)

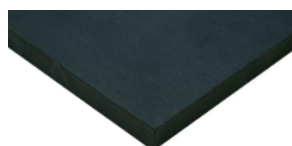
Other Information

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

MDF Natural



MDF Black



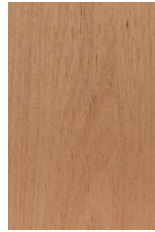
Timber veneer species



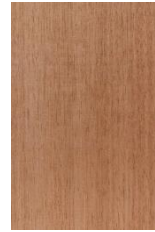
Hoop Pine
Australia
FSC®



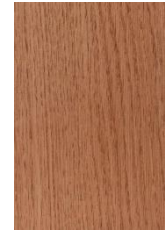
White Ash
North America
FSC®



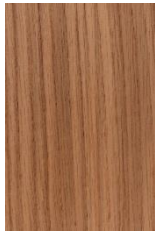
Tawa
New Zealand



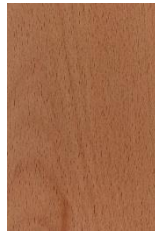
Tasmanian Oak
Australia



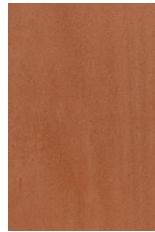
American Red Oak
North America
FSC®



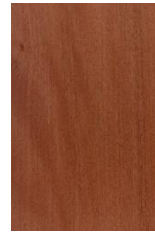
American White Oak
North America
FSC®



European Beech
Europe
FSC®



Silver Beech
New Zealand
FSC®



Brush Box
Australia



Queensland Maple
Australia



Tasmanian Blackwood
Australia
PEFC™



Black Butt
Australia
FSC®



American Walnut
North America
FSC®



Coloured Rimu
New Zealand



Totara
New Zealand



Heart Rimu
New Zealand



Red Cedar
North America
FSC®



Jarrah
Australia
PEFC™



Smoked Oak
Engineered from
American White Oak
FSC®

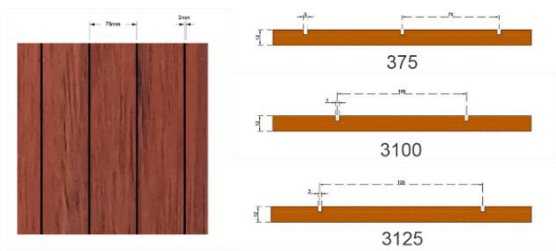
Panelling and Perforation

Perforation patterns are diverse and can be almost fully customized.

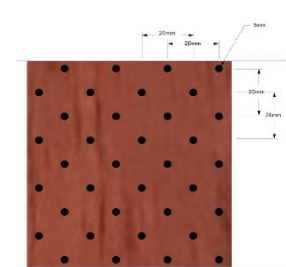
See most common patterns below.

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.

ZPG - Zenthe Panelling Grooves



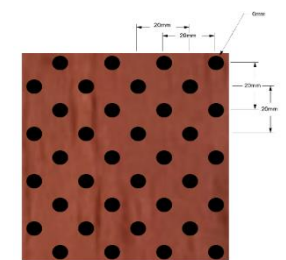
ZHS - Zenthe Holes



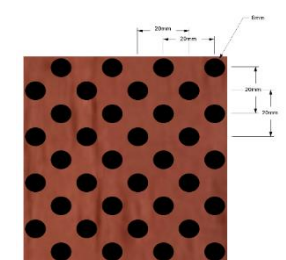
ZPV - Zenthe Panelling V-Grooves



ZHS320

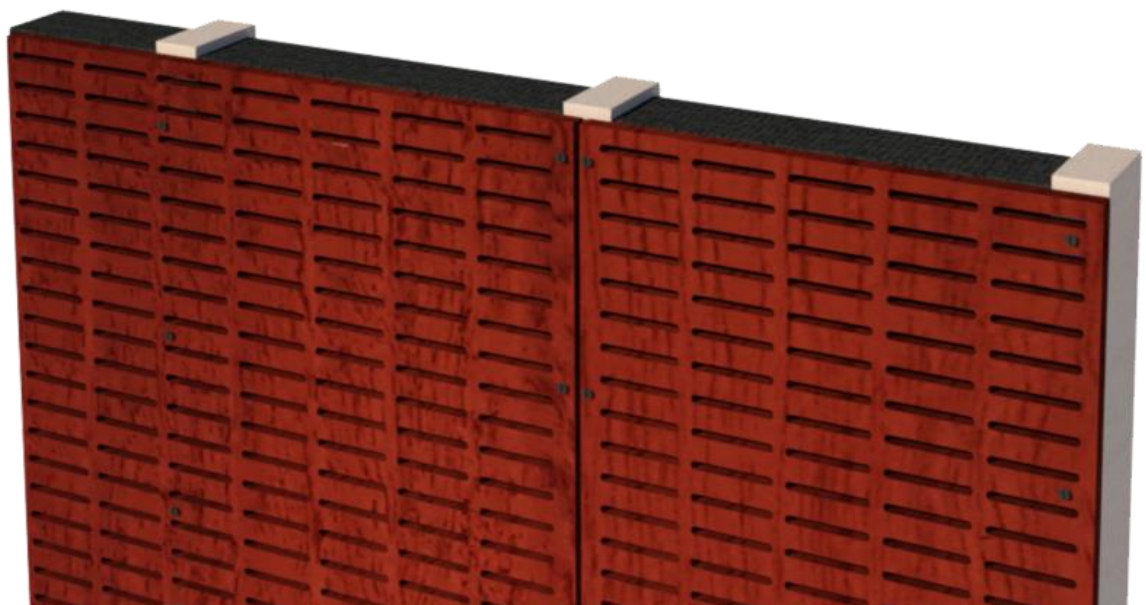
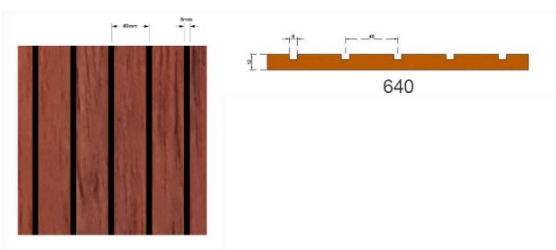


ZHS620

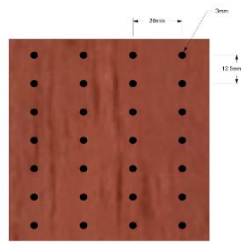


ZHS820

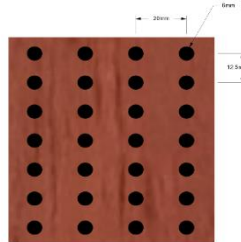
ZPGA - Zenthe Grooves Acoustic



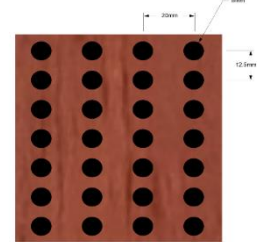
ZHN - Zenthe Holes



ZHN3125

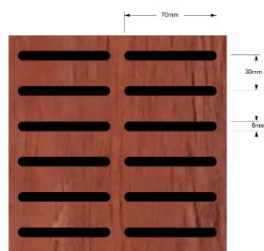


ZHN6125

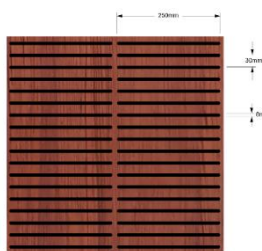


ZHN8125

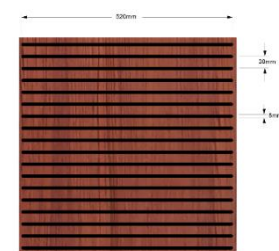
ZSN - Zenthe Slots



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



CREATORS OF ARCHITECTURAL INTERIOR LININGS
BRING THE VISION, TRUST THE PROCESS

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