

# PLYWOOD PANELS

## Technical Data Sheet

Zenthe's Plywood is a highly decorative panel suitable as an interior wall & ceiling lining system. Can be perforated for acoustic performance, is impact resistant & comes in a range of species.



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# TECHNICAL INFORMATION

## GENERAL INFORMATION

### ZENTHE COMMON NAME

Plywood

### KEY FEATURES

- + 5 Year Product Warranty
- + Acoustic Backing Option

### PERFORATIONS/CUT OUTS

Custom slots, holes & grooves as required

### TYPICAL APPLICATIONS

Wall or ceiling interior lining. Suitable for direct fix and suspended ceiling systems

### INSTALLATION METHOD

Screw fix/Adhesive Fix

### BACKING

Black 1mm felt

## TYPICAL PHYSICAL PROPERTIES

### APPEARANCE

Natural Light Brown

### PANEL SIZE

2400 x 1200, 2700 x 1200, 3000 x 1200

### PANEL THICKNESS

12mm: 8kg/m<sup>2</sup>  
16mm: 10kg/m<sup>2</sup>  
18mm: 12kg/m<sup>2</sup>

### 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

### FORMALDEHYDE EMISSION

Super E0 – Hoop Pine  
No reading – Birch, Poplar, Radiata Pine

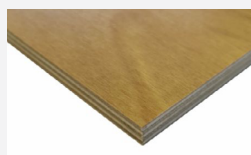
### RESPONSIBLY SOURCED

Available with:  
FSC® Chain of Custody  
PEFC™ Certification  
Ask for our FSC®/PEFC™ certified products

## SPECIES



Birch



Poplar



Hoop Pine



Radiata Pine



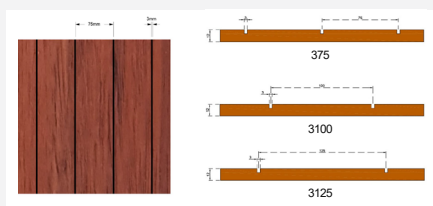
Bandsawn

# PANELLING AND PERFORATION

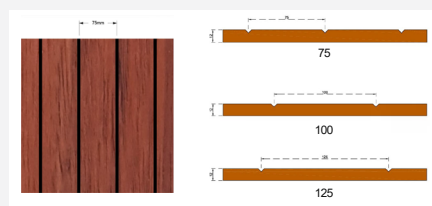
## PERFORATION PATTERNS

Perforation patterns are diverse and can be almost fully customized. 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.

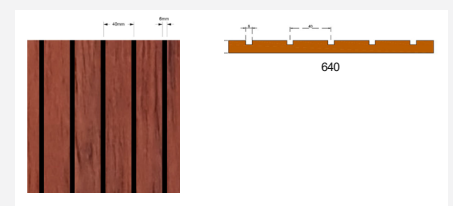
## GROOVES



ZPG - Zenthe Panelling Grooves

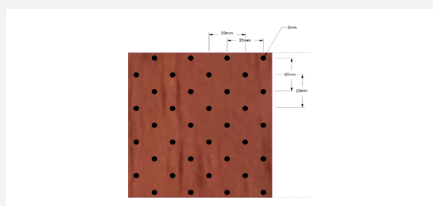


ZPV - Zenthe Panelling V- Grooves

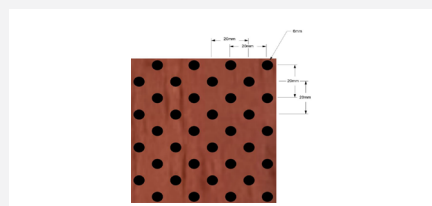


ZPGA - Zenthe Grooves Acoustic

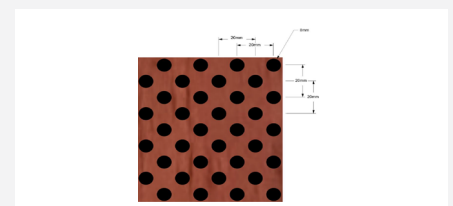
## STAGGERED HOLES



ZHS320

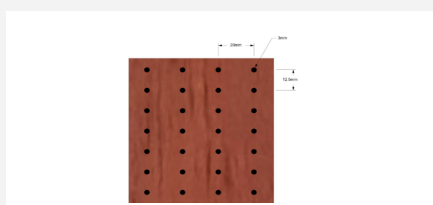


ZHS620

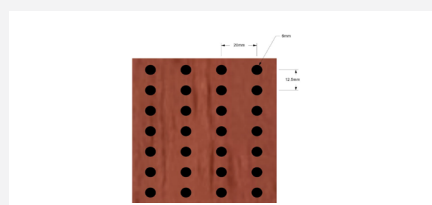


ZHS820

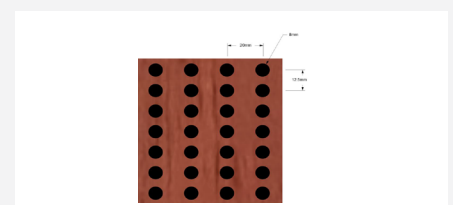
## HOLES



ZHN313

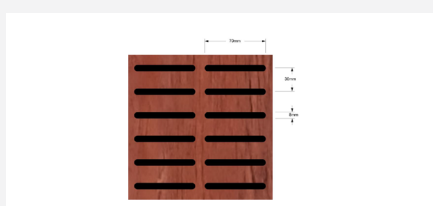


ZHN613

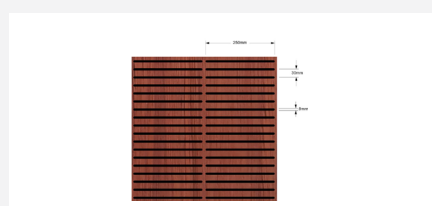


ZHN813

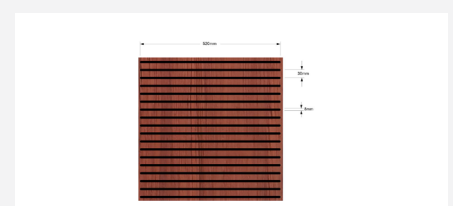
## SLOTS



ZSN870



ZSN8250



ZSN8520

## PRODUCT RATINGS

### ESTIMATED NRC VALUES

Product	Panel Thickness	NRC
6mm hole	12mm	0.80
10% uncovered/open area	18mm	0.70
8mm hole	12mm	0.95
20% uncovered/open area	18mm	0.90
8mm slot	12mm	0.75
10% uncovered/open area	18mm	0.70
8mm slot	12mm	0.90
20% uncovered/open area	18mm	0.85

When used in conjunction with AAB 20-100 Acoustic Blanket

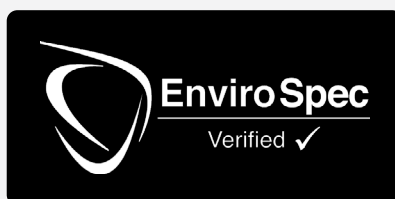
### SUSTAINABILITY

Zenthe carries Chain of Custody (CoC) certification that enables us to sell Timber, MDF, Plywood and Timber Veneer that carries either FSC® certification or PEFC™ certification.

FSC® certified timber and PEFC™ certified timber undergo independent, third-party audited certification procedures at every step of the supply chain. This provides designers, specifiers, architects, and consumers absolute assurance that those forest and wood products labelled as FSC® certified or PEFC™ certified originate from responsible sources, which are managed to be prescribed social, economic, and environmental standards.



The mark of  
responsible forestry



Zenthe Plywood panels are a natural product and are manufactured with laminated glue lines between the layers of plywood. There may be voids in the layers that can be seen on the edges of the panels & whilst the upmost care is taken during the perforation / machining process, chip out may occur due to these voids. Due to the porosity levels differing on the face & edges of the panels when our coating finish is applied there may be differing finish appearance. All panels need to be handled with care and by qualified tradesmen. Panels need to be stored inside, out of sunlight, off the ground, in a dry moisture free environment, flat and well supported with a cover sheet on the top for protection. Zenthe take no responsibility for bowed panels due to incorrect storage and moisture ingress. Zenthe needs to be advised of any complaints within 3 days of receiving the goods. Any complaints received after 3 days will be void.

# ZENTHE

Leaders in interior decorative, acoustic, fire  
safe Panel and Batten systems.