

TIMBERTUNE

ACOUSTIC PANEL

VISIT USGME.COM TO ORDER SAMPLES

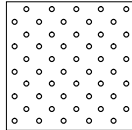
AVAILABLE FINISHES



HPL / stained /
lacquered



Real wood
veneers



Perforations



FEATURES & BENEFITS

- Timbertune Acoustic Panel classic design for all spaces, serving as wall and ceiling panels.
- Produced with acoustically optimized wooden core board with different perforation surfaces.
- Available in MDF core, honeycomb core and PETfelt core.
- Reaction to fire Classification as per EN 13501-1+A1: B-s1,d0.
- Available in surface options of real wood veneer, melamine, or HPL for various applications with exceptional design freedom.
- Exceptional noise reduction coefficient up to 0.90 NRC.

APPLICATIONS

- Entertainment
- Lobbies
- Restaurants
- Offices
- Retail Shops
- Healthcare Facilities
- Educational Facilities



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ACOUSTIC PANEL



SPECIFICATION DETAILS

Timbertune Acoustic Panel meets the specifications in accordance with ASTM E1264

Material Classification

Type F,

Form F1, F2

Pattern A, C, G

Finish Material Thicknesses

17mm

Dimensions

600 x 600mm,

600 x 1200mm,

1200 x 1200mm,

up to 3000 x 1250mm.

Special dimensions are available upon request

Core Material

- MDF
- Honeycomb
- PETfelt

Available Finishes

- Lacquered
- CPL-HPL
- Veneer
- Raw Panel
- Digital Print

Density

MDF/Particleboard: 650 kg/m³

HDF Board: 960 kg/m³

Honeycomb: 57 kg/m³

PETfelt: 120-140 kg/m³

Edgebanding

- Wood veneer
- ABS

Open Area Rate

From 2.2% to 14.1% depending on the perforation layout

Noise Reduction Coefficient [NRC]

up to 0.90 depending on the perforation pattern

α_w

up to 0.95

Reaction To Fire Classification As Per EN 13501-1+A1

B-s1,d0

Suspension

Timbertune acoustic panel can be suspended by using DONN® T24 grid system

Important Information, Transport, Handling, Storage and Installation

- Allow panels to acclimate for 24-72 hours in a dry, dust-free environment before installation, especially veneered panels.
- In new construction, install Timbertune wooden panels after HVAC testing and commissioning to prevent potential impacts on the wooden surface finish.
- Avoid plastic covering on panels to prevent condensation; use a clean cloth instead.
- Timbertune wooden panels use natural and engineered wood, allowing for slight expansion and contraction due to environmental changes.
- Store, install, and maintain acoustic wooden panels in normal climate conditions (18-25°C, 40-65% RH).
- Maintain at least 3 mm spacing between panels, and fixation for expansion/contraction, with unobstructed vertical ventilation behind panels.

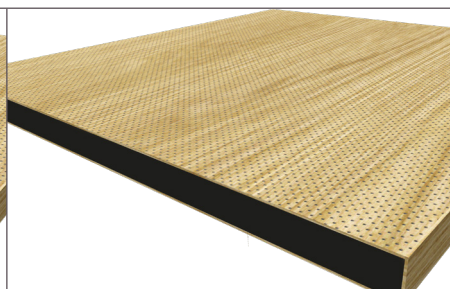
ACOUSTICAL PANEL CORE OPTIONS



MDF CORE



HONEYCOMB CORE



PETFELT CORE

MOUNTING

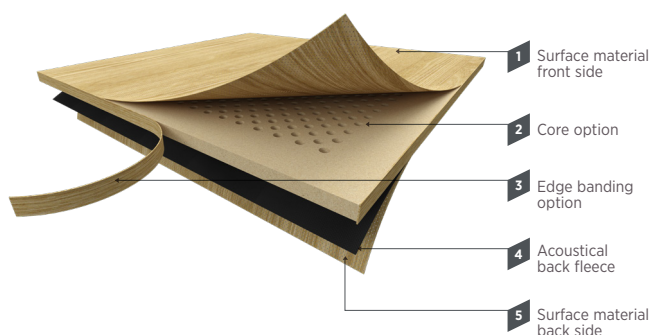


WALL FIXING



CEILING FIXING

PANEL STRUCTURE



TIMBERTUNE

DECORS, FINISHES AND PERFORATION PATTERNS

WOODEN FINISHES



WFP01
BEECH 1



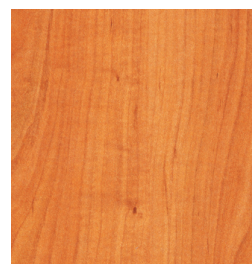
WFP02
BEECH2



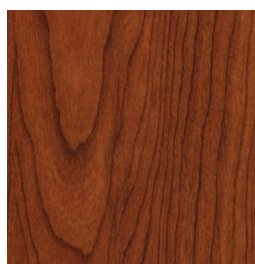
WFP03
PINE



WFP04
OAK



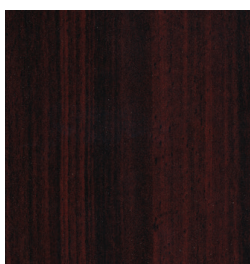
WFP05
CHERRY 1



WFP06
CHERRY 2



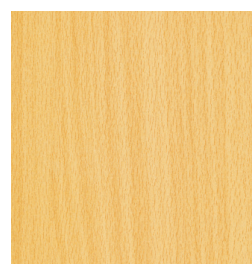
WFP07
WALNUT



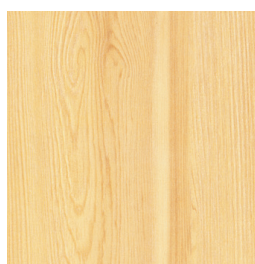
WFP08
ROSE WOOD



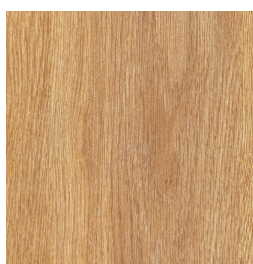
WFP01
BEECH 1



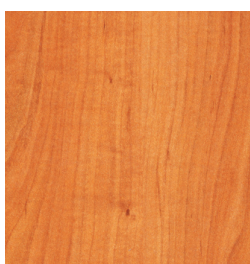
WFP02
BEECH2



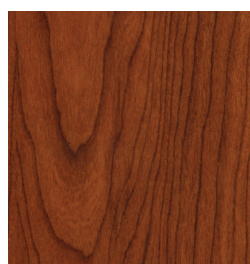
WFP03
PINE



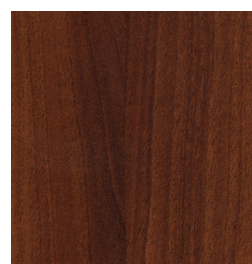
WFP04
OAK



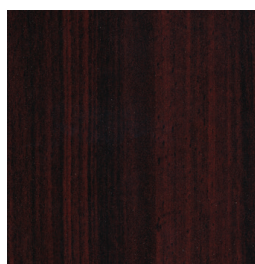
WFP05
CHERRY 1



WFP06
CHERRY 2



WFP07
WALNUT



WFP08
ROSE WOOD

OTHER DECORS AND FINISHES PATTERNS ARE AVAILABLE UPON REQUEST.

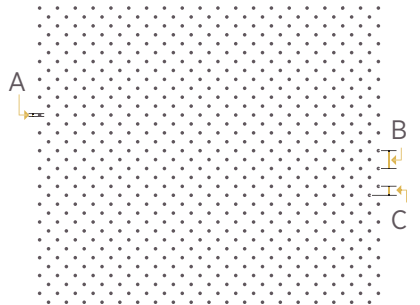
Printed colors may vary from the original. Always refer to actual samples.

TIMBERTUNE

DECORS, FINISHES AND PERFORATION PATTERNS

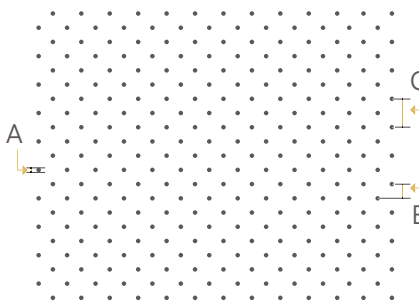
TIMBERTUNE PERFORATION PATTERNS: CURVED ACOUSTIC PANELS, ACOUSTIC PANEL, ACOUSTIC-BAFFLES

MR 050 250V



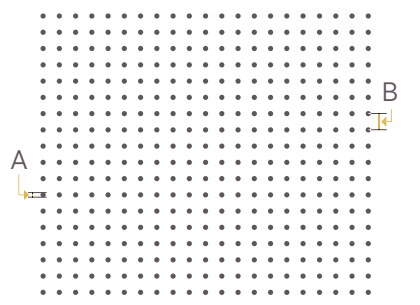
Hole Dia (A): 0.5mm	Open Area: 6.3%
Pitch(B): 2.5mm	α_w : 0.80
Pitch(C): 1.25mm	NRC: 0.85

MR 075 500V



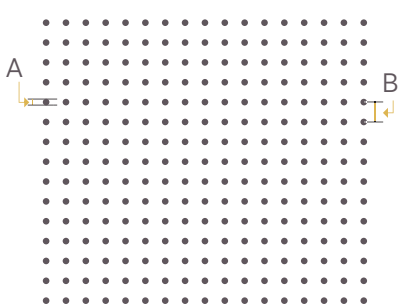
Hole Dia (A): 0.75mm	Open Area: 6.3%
Pitch(B): 2.5mm	α_w : 0.65
Pitch(C): 5mm	NRC: 0.75

MR 075 250



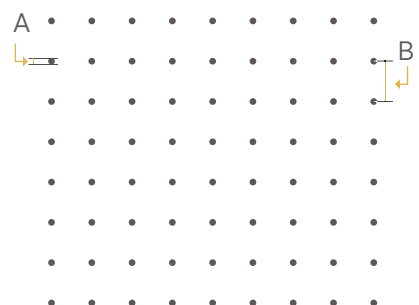
Hole Dia (A): 0.75mm	Open Area: 7.1%
Pitch(B): 2.5mm	α_w : 0.75
	NRC: 0.85

MR 100 300



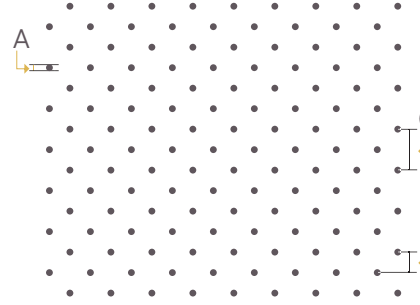
Hole Dia (A): 1mm	Open Area: 8.7%
Pitch(B): 3mm	α_w : 0.80
	NRC: 0.90

MR 100 600



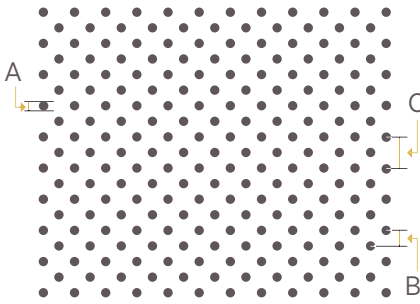
Hole Dia (A): 1mm	Open Area: 2.2%
Pitch(B): 6mm	α_w : 0.50
	NRC: 0.70

MR 100 600V



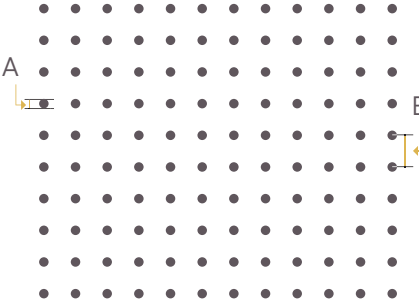
Hole Dia (A): 1mm	Open Area: 4.3%
Pitch(B): 3mm	α_w : 0.65
Pitch(C): 6mm	NRC: 0.75

MR 150 500V



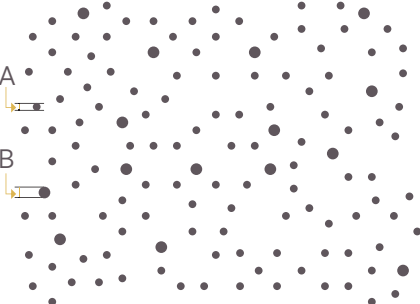
Hole Dia (A): 1.5mm	Open Area: 14.1%
Pitch(B): 2.5mm	α_w : 0.80
Pitch(C): 5mm	NRC: 0.90

MR 150 500



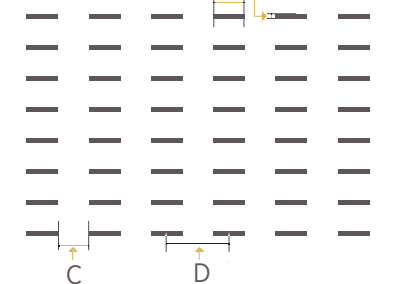
Hole Dia (A): 1.5mm	Open Area: 7.1%
Pitch(B): 5mm	α_w : 0.80
	NRC: 0.70

RANDOM 1.0



Hole Dia (A): 1mm	Open Area: 3%
Pitch(B): 1.5mm	α_w : 0.75
	NRC: 0.85

MS 075 500H



Hole Width(A): 5mm	Open Area: 7.5%
Hole Length(B): 0.75mm	α_w : 0.75
Distance(C): 5mm	NRC: 0.85
Pitch(D): 10mm	

Notice: As we are involved in constant products development; this document information is subject to change without prior notice.
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