

# TIMBERTUNE

## ACOUSTIC RIB PANELS

VISIT [USGME.COM](https://usgme.com) TO ORDER SAMPLES

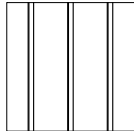
### AVAILABLE FINISHES



HPL / stained /  
lacquered



Real wood  
veneers



Ribs



### FEATURES & BENEFITS

- Acoustic rib panels are composed of wooden ribs with various surfaces attached to PETfelt base.
- Available in regular and slim rib designs.
- Available in veneer finish, HPL finish and concrete finish.
- Ready-to-use elements facilitate easy installation.
- Incident sound is guided through the gaps between the slats, and the back felt absorbs the sound.
- The acoustic effectiveness can be tailored as needed based on slat width and spacing.
- Reaction to fire Classification as per EN 13501-1+A1: B-s1,d0.

### APPLICATIONS

- Hotels
- Leisure centers
- Restaurants and cafes
- Open-plan areas
- Transportation (airports, bus terminals and train stations)
- Convention halls and concourses

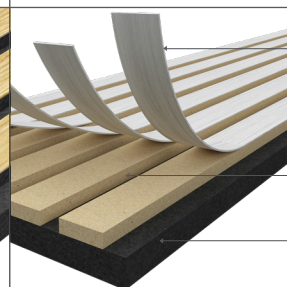
#### REGULAR RIB



#### SLIM RIB



#### PANEL STRUCTURE



- 1 Surface material front side
- 2 MDF / particle board
- 3 PETfelt black substrate

# TIMBERTUNE

## ACOUSTIC RIB PANEL



### SPECIFICATION DETAILS

Timbertune acoustic rib panels ceiling meets the specifications in accordance with ASTM E1264

#### Material Classification

Type F, Form F2, Pattern K

#### Panel Length

Up to 2800mm. Special dimensions and configurations are available upon request

#### Finish Material Thickness

Regular Rib: 24.5mm,

Slim Rib: 19mm

#### Slat Thickness

Regular Rib: 12mm

Slim Rib: 4mm

#### Core Material

Up to 25mm

#### Available Finishes

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

#### Weight

Regular Rib: 8.5 - 12.5kg/m<sup>2</sup>

Slim Rib: 5.5 - 9kg/m<sup>2</sup>

#### Back Surface

PETfelt acoustic panel

#### Noise Reduction Coefficient [NRC]

up to 0.80 depending on the perforation pattern

#### $\alpha_w$

up to 0.65

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

B-s1,d0

#### Mounting

Installation of Timbertune Acoustic Ribpanels is flexible, allowing for easy mounting through nailing, stapling, or screwing into the felt support. Alternatively, fasteners can be fixed on the back, and direct bonding using direct mounting adhesive can be also applied.

#### 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.

### RIB PANELS PATTERNS

PATTERN 9/2	PATTERN 13/3	PATTERN 14/2	PATTERN 25/5
PATTERN 25/10	PATTERN 25/15	PATTERN 28/4	PATTERN 31/9

PATTERN	RIB WIDTH(A)	DISTANCE BETWEEN RIBS(B)	$\alpha_w$	NRC
9/2	9mm	2mm	0.65	0.80
13/3	13mm	3mm	0.65	0.80
14/2	14mm	2mm	0.65	0.80
25/5	25mm	5mm	0.65	0.80

PATTERN	RIB WIDTH(A)	DISTANCE BETWEEN RIBS(B)	$\alpha_w$	NRC
25/10	25mm	10mm	0.65	0.80
25/15	25mm	15mm	0.65	0.80
28/4	28mm	4mm	0.65	0.80
31/9	31mm	9mm	0.65	0.80

# TIMBERTUNE

## DECORS & FINISHES

### WOODEN FINISHES



WFP01  
BEECH 1



WFP02  
BEECH2



WFP03  
PINE



WFP04  
OAK



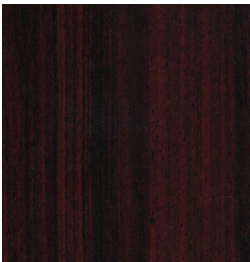
WFP05  
CHERRY 1



WFP06  
CHERRY 2



WFP07  
WALNUT



WFP08  
ROSE WOOD



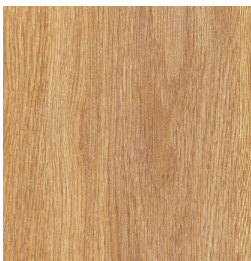
WFP01  
BEECH 1



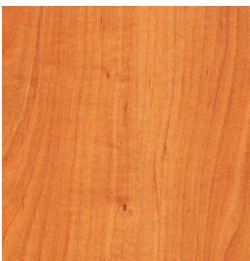
WFP02  
BEECH2



WFP03  
PINE



WFP04  
OAK



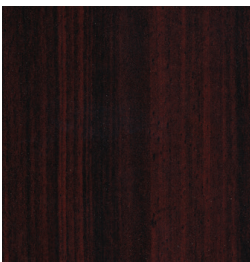
WFP05  
CHERRY 1



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.*