

ACOUSTIC



ACOUSTIC PANEL PRODUCT INTRODUCTION

Create a new space for quality life

DesignThai, as a company committed to sustainable development, strives to establish itself as the benchmark in the acoustic materials industry. Our mission is to continuously innovate and improve, exceeding customer expectations through high-quality products, environmentally responsible practices, and exceptional service. We aim to lead the industry by setting new standards for sustainability, performance, and customer satisfaction, ensuring long-term growth and success for the company and its stakeholders.

CONTANTS



Environmental Friendly



Strong Decorative



Three-Dimensional



Impact Resistance



Widely used



Sound absorption
and sound insulation



Fire Protection



Keep Insulated



Easy To Install

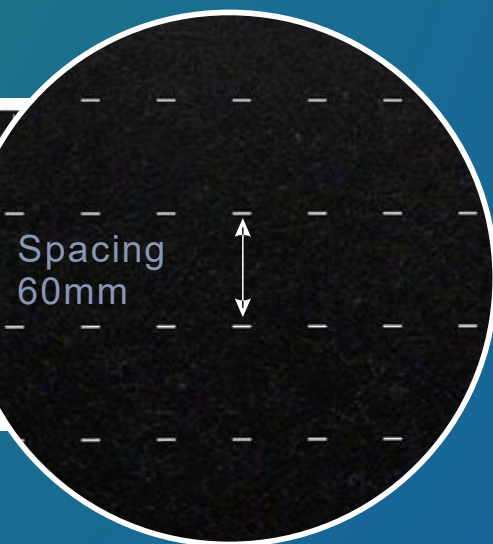
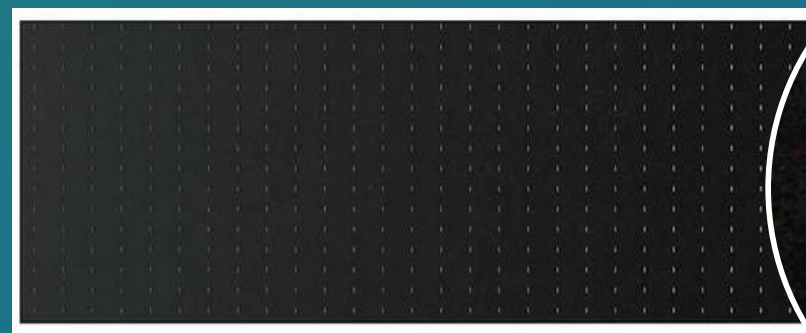
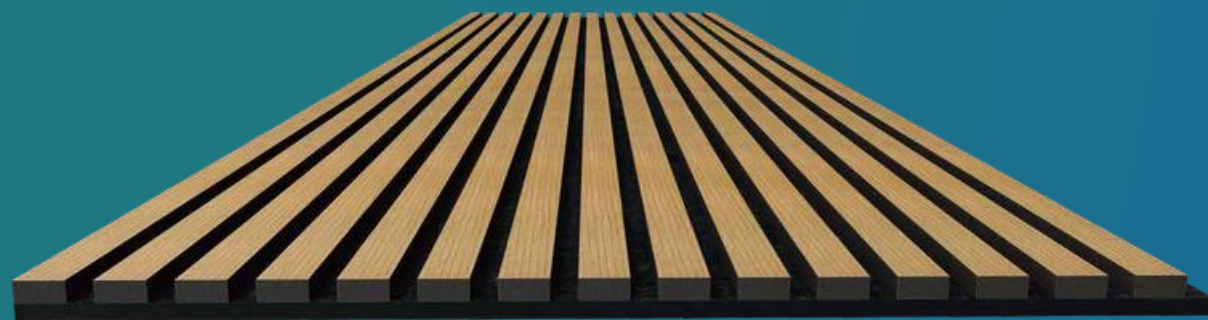


Water Protection

- 1 Single wood veneer acoustic slat panel Three sides wood
- 2 veneer acoustic slat panel
- 3 Circular wooden veneer acoustic slat pane
- 4 Large and small wooden veneer slat width acoustic slat panel
- 5 Rollable single wood veneer acoustic slat panel
- 6 wood veneer acoustic slat panel without MDF

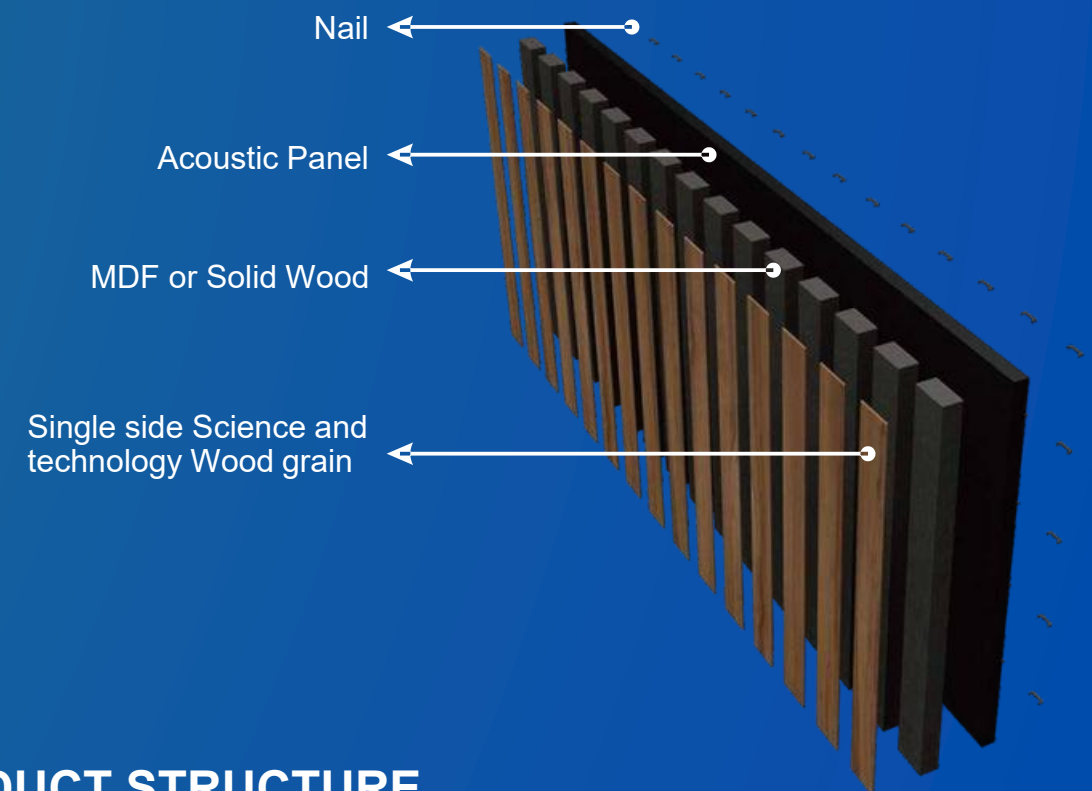


1 SINGLE WOOD VENEER ACOUSTIC SLAT PANEL



Spacing
60mm

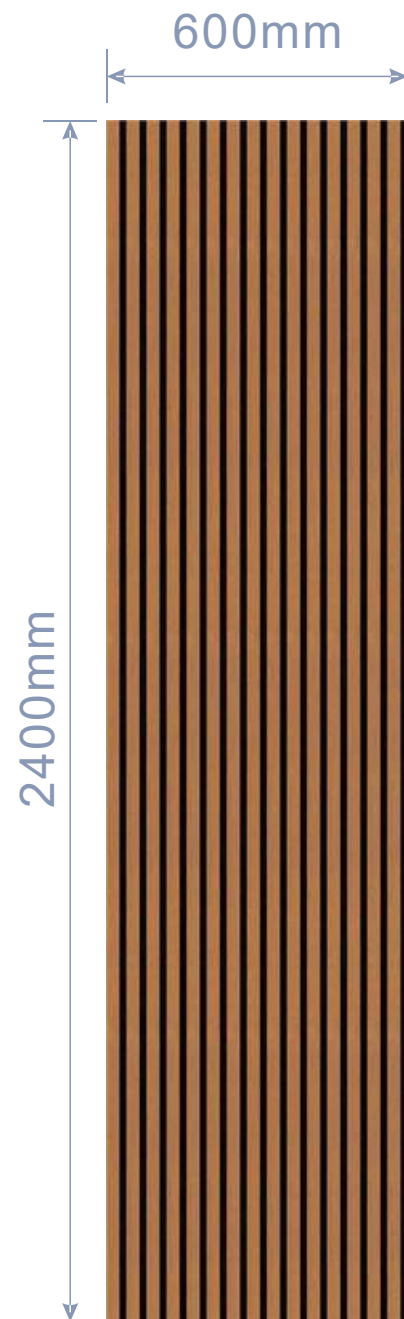
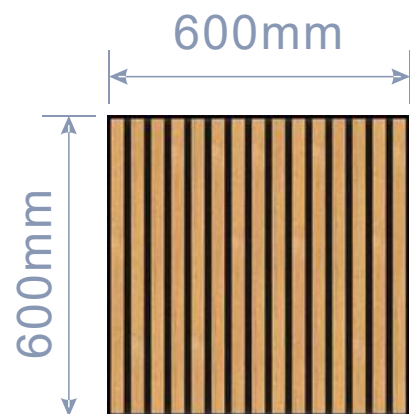
STAPLE THE BACK



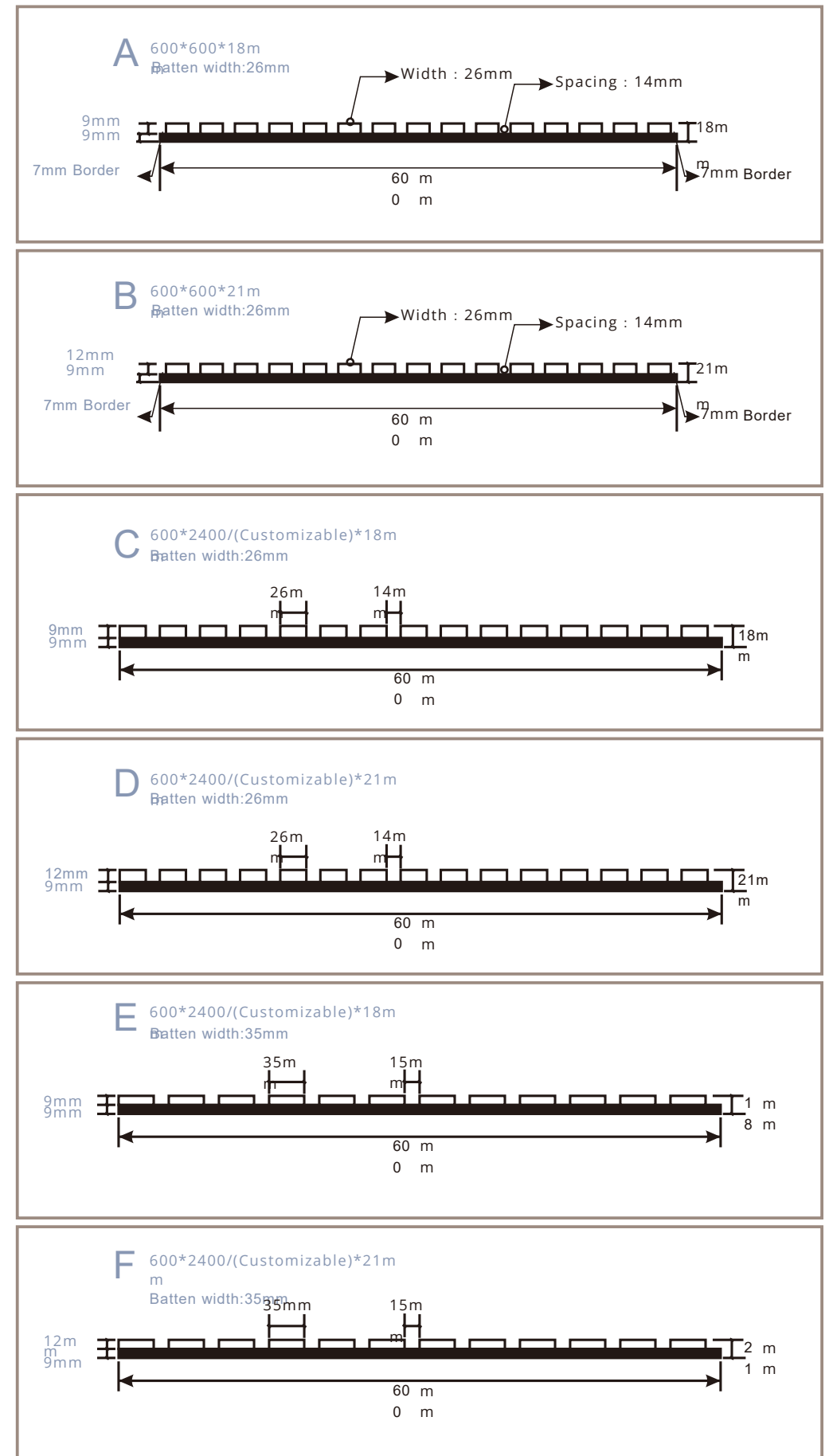
PRODUCT STRUCTURE



NORMAL SIZE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS



PRODUCT SPECIFICATIONS

Model:60% Polyester;30%MDF;10%Veneer

Surface:Melamine/Varnished wood veneer/Painting/HPL

Fire-proof level: B

Environmental grade:E0

NRC: 0.8-1.1

Test: Environmental protection, sound absorption, flame retardant

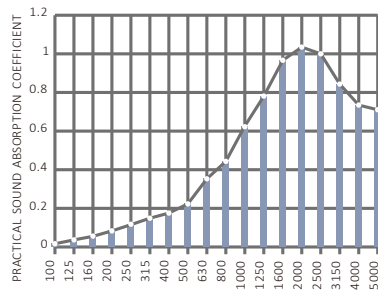


DESIGNTHAI
DEVELOPMENT

SOUND ABSORPTION COEFFICIENT FOR ACOUSTIC PANELS

Different installation methods can present different sound absorption effects
Laboratory measurements of sound absorptioncoefficient were carried out in

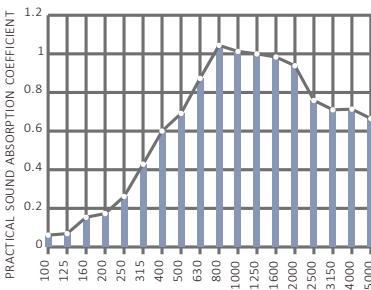
Panel mounted directly
to the wall



FREQUENCY,F(Hz) aw=0.30

As seen in the graph, the 0.82" panel, mounted directly to the wall, obtains an absorption coefficient of 0.3 (MH).

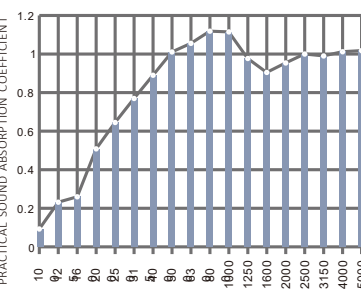
Panel mounted with 1.8" timber batons spacing and mineral wool insulation



FREQUENCY,F(Hz) aw=0.62

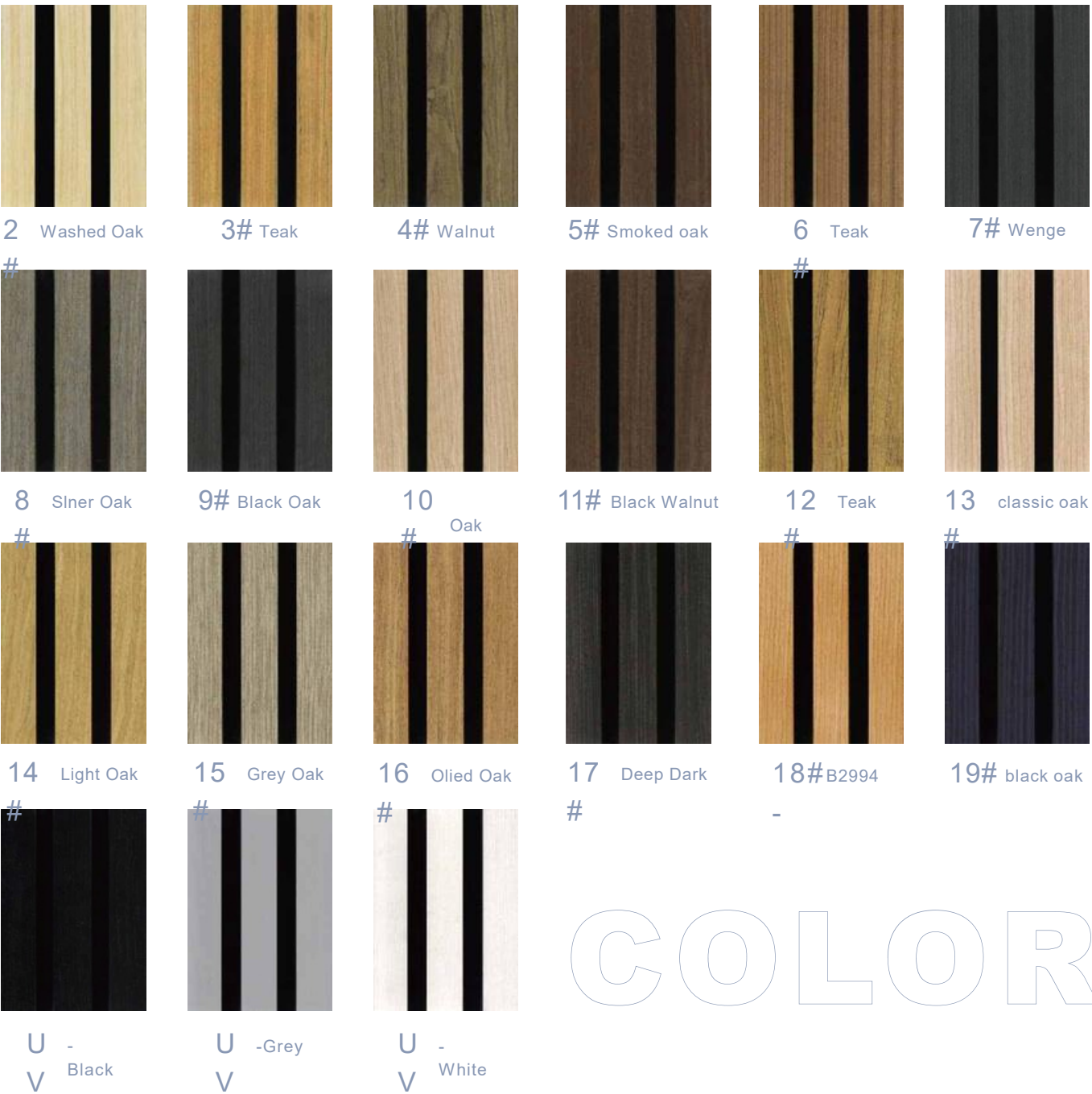
As seen in the graph, the 0.82" panel, mounted with 1.8"timber batons spacing and mineral wool insulation,obtains an absorption coefficient of 0.62 (MH).

Panels mounted on 3.94" pitch light steel joists and filled mineral wool insulation



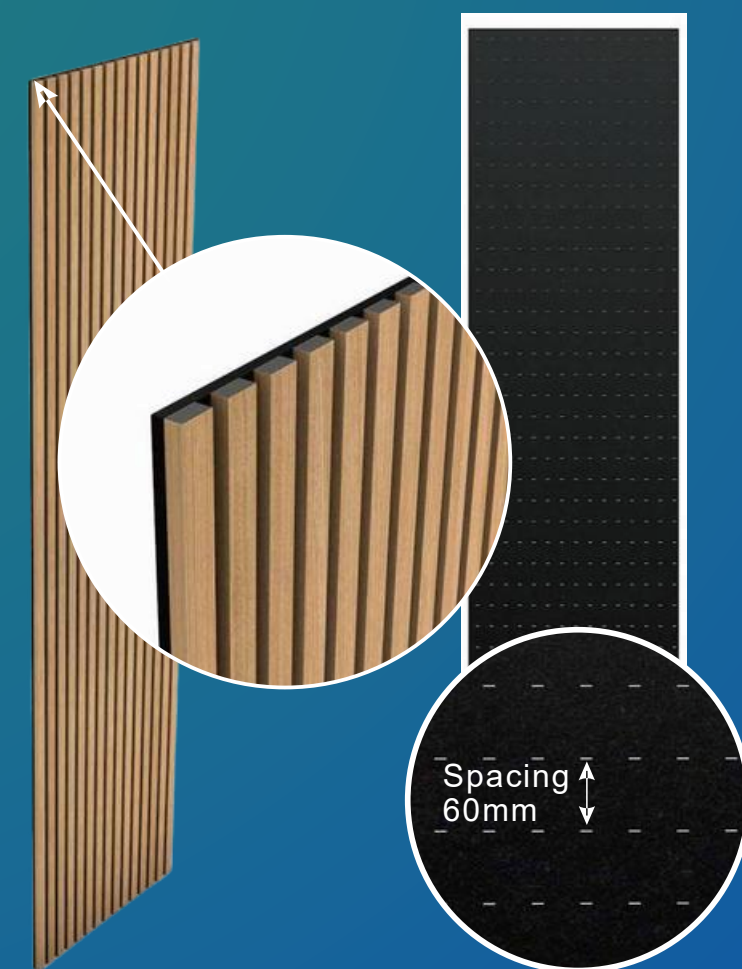
FREQUENCY,F(Hz) aw=0.90

As shown, the panels were mounted on light steel joists with 3.94" spacing from the wall and filled with mineral wool insulation for an absorption coefficient of 0.90 (MH).



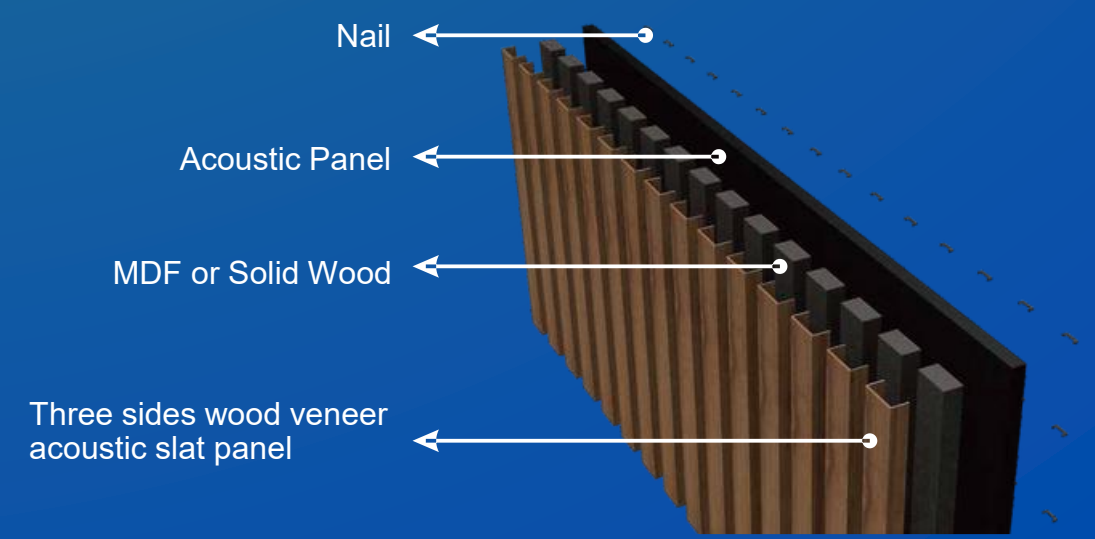


2 THREE SIDES WOOD VENEER ACOUSTIC SLAT PANEL



STAPLE THE BACK

PRODUCT STRUCTURE

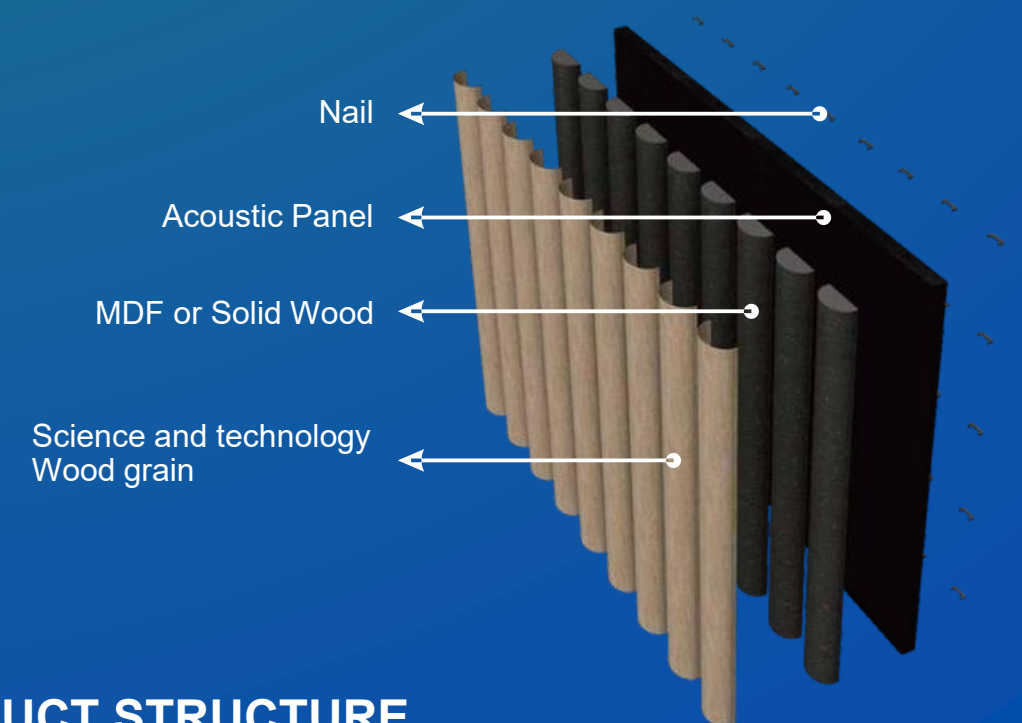




3 CIRCULAR WOODEN VENEER ACOUSTIC SLAT PANE



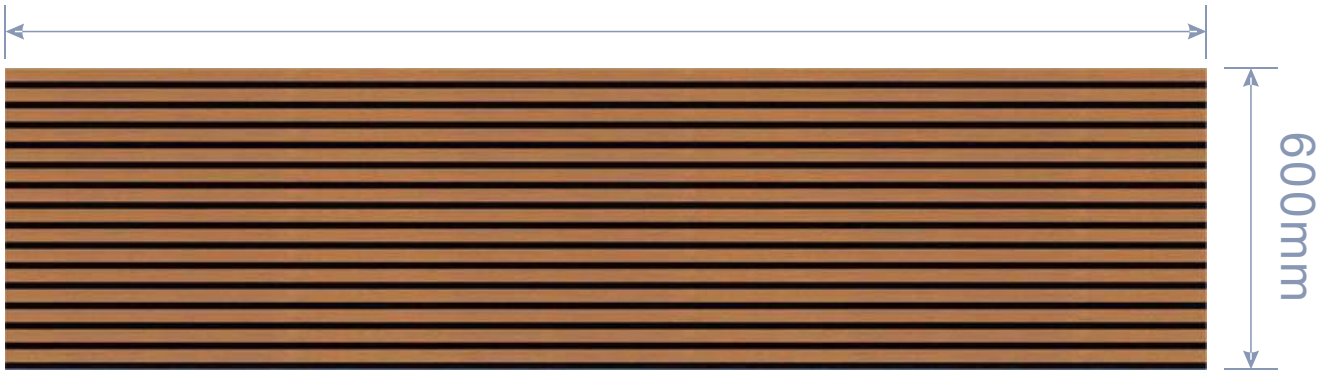
STAPLE THE BACK



PRODUCT STRUCTURE

NORMAL SIZE

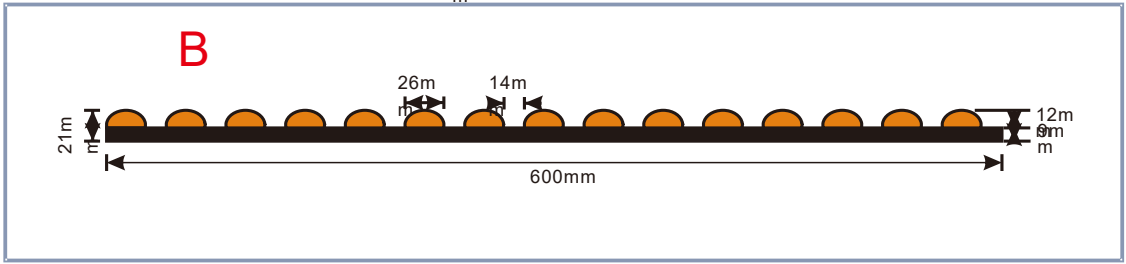
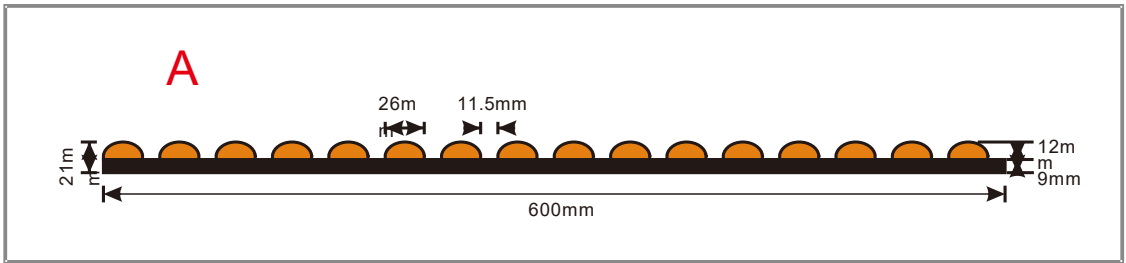
2400mm



600mm



DETAILED DRAWINGS OF PRODUCT DIMENSIONS



2#



4#



13#



18#



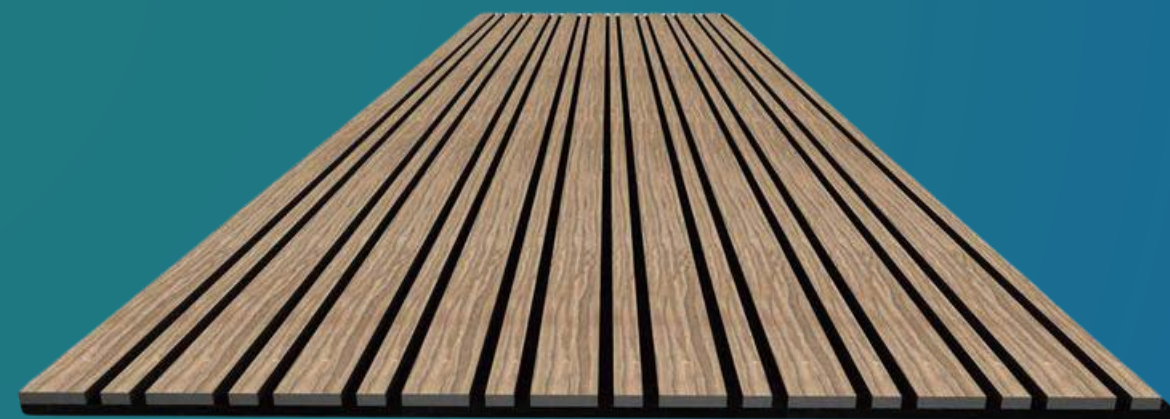
19#



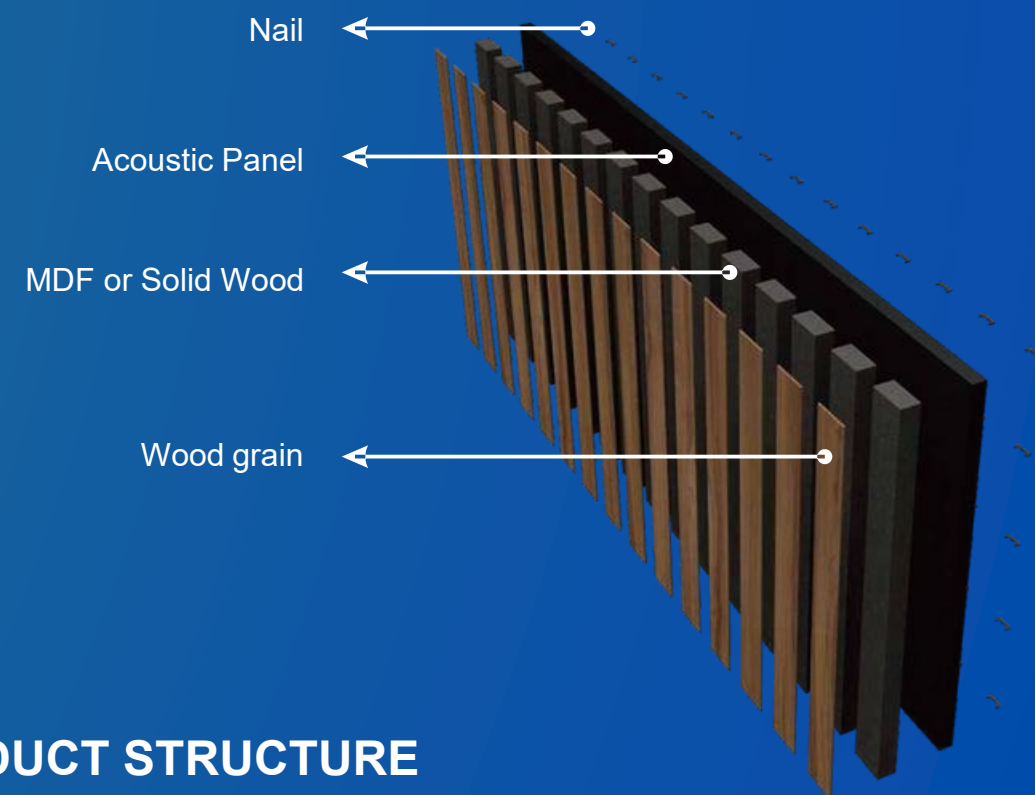
19#

COLOR

4 LARGE AND SMALL WOODEN
VENEER SLAT WIDTH ACOUSTIC SLAT
PANEL



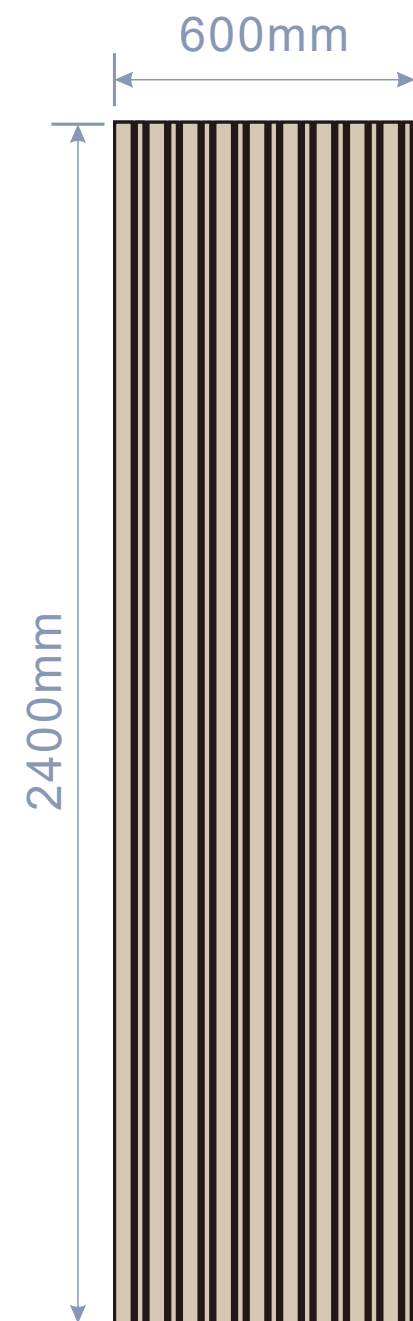
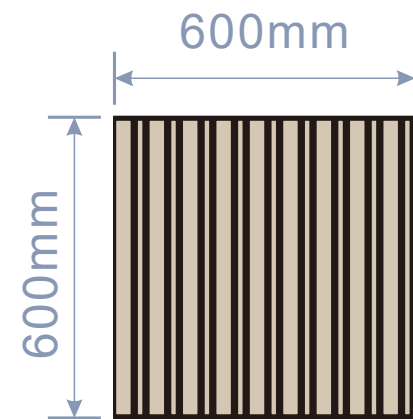
STAPLE THE BACK



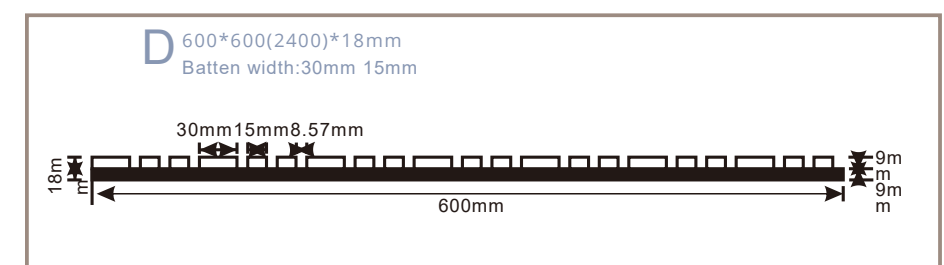
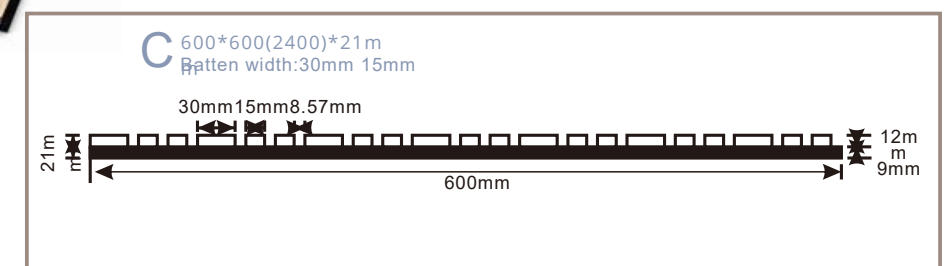
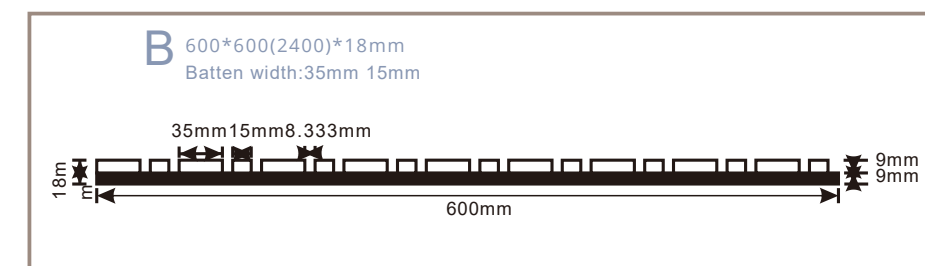
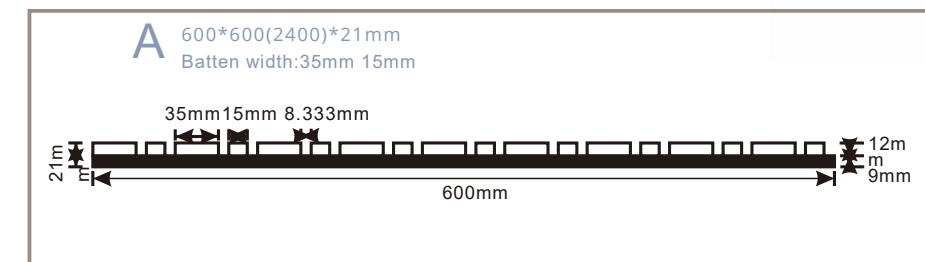
PRODUCT STRUCTURE



NORMAL SIZE



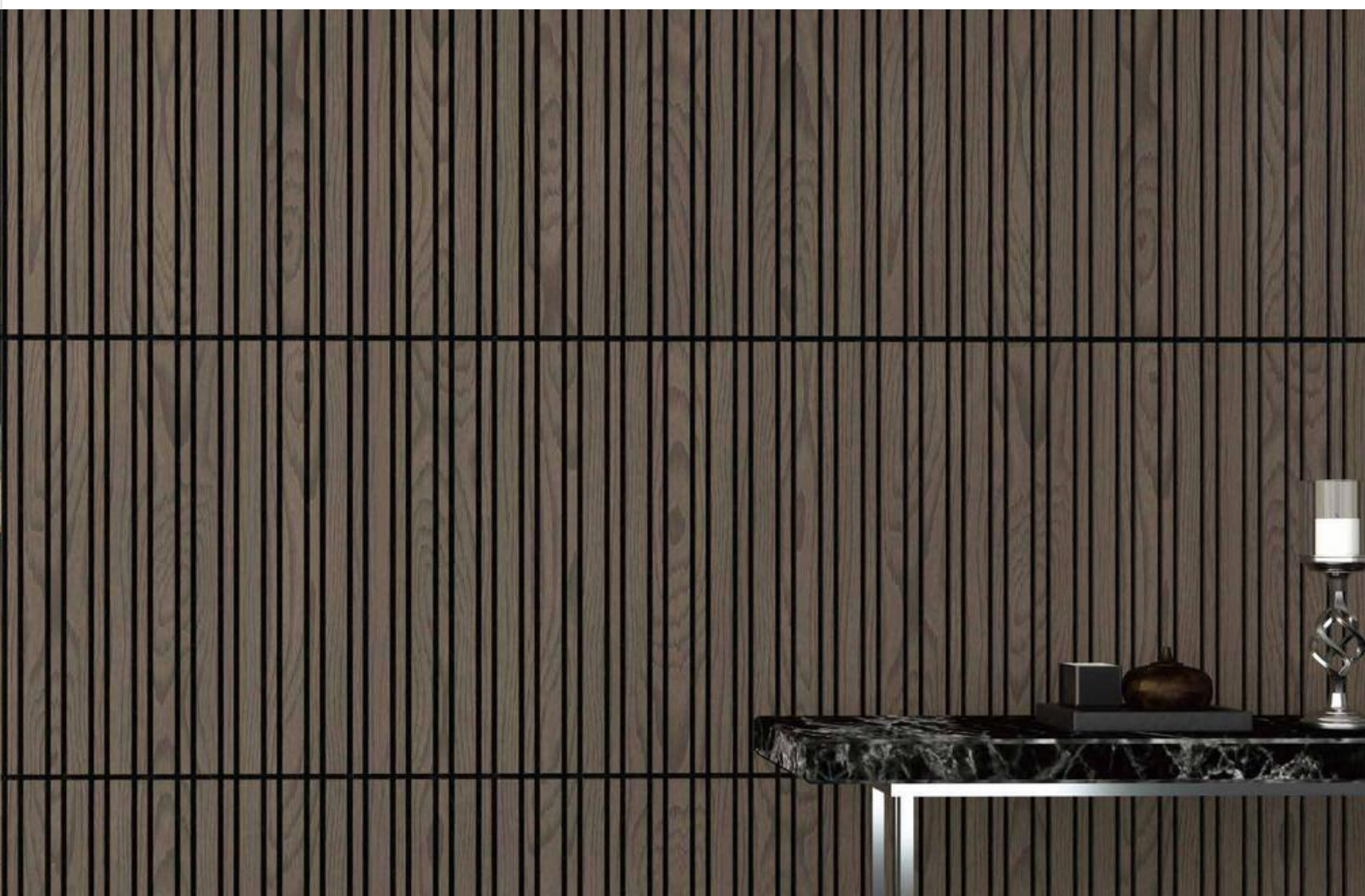
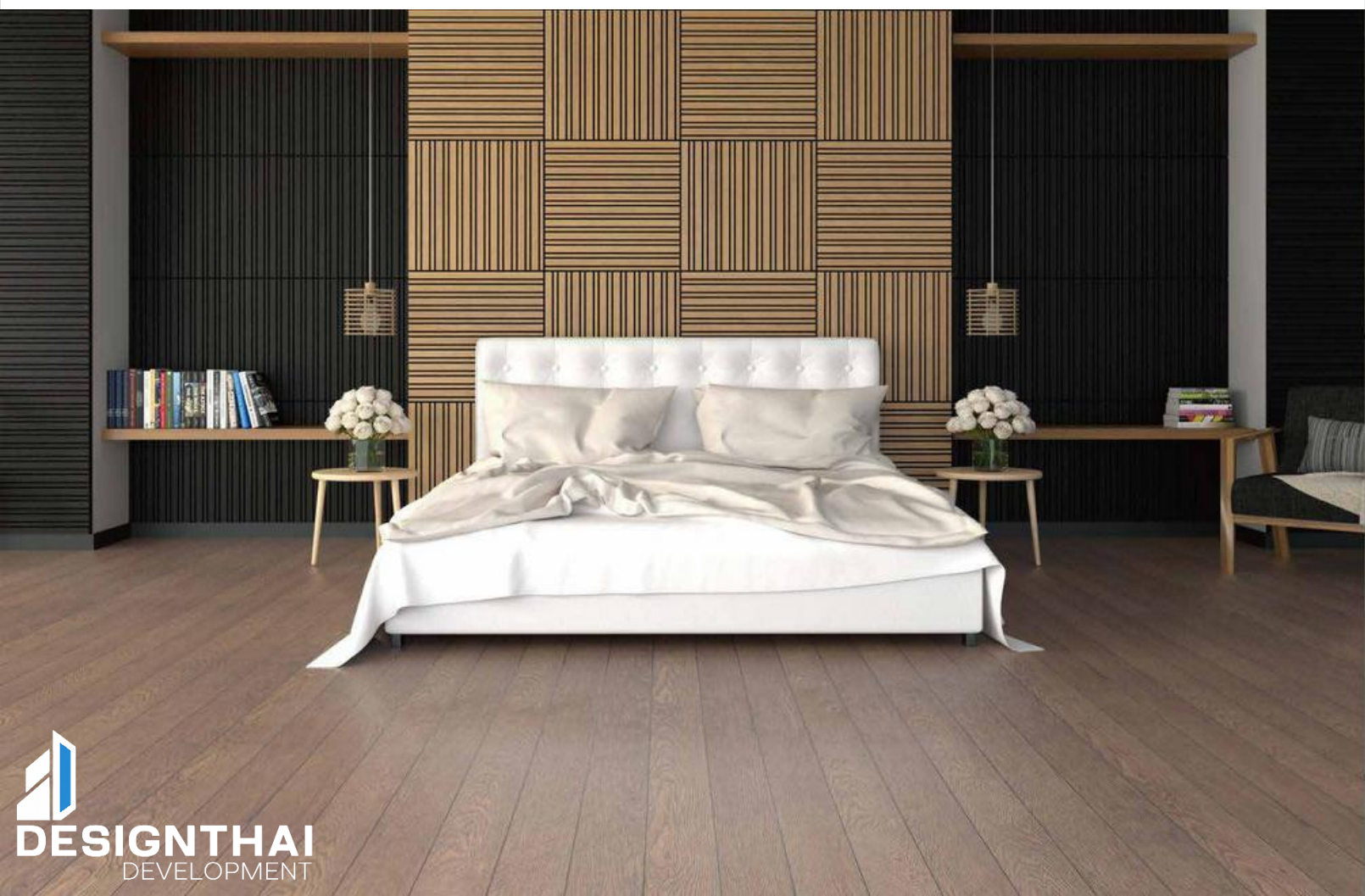
DETAILED DRAWINGS OF PRODUCT DIMENSIONS

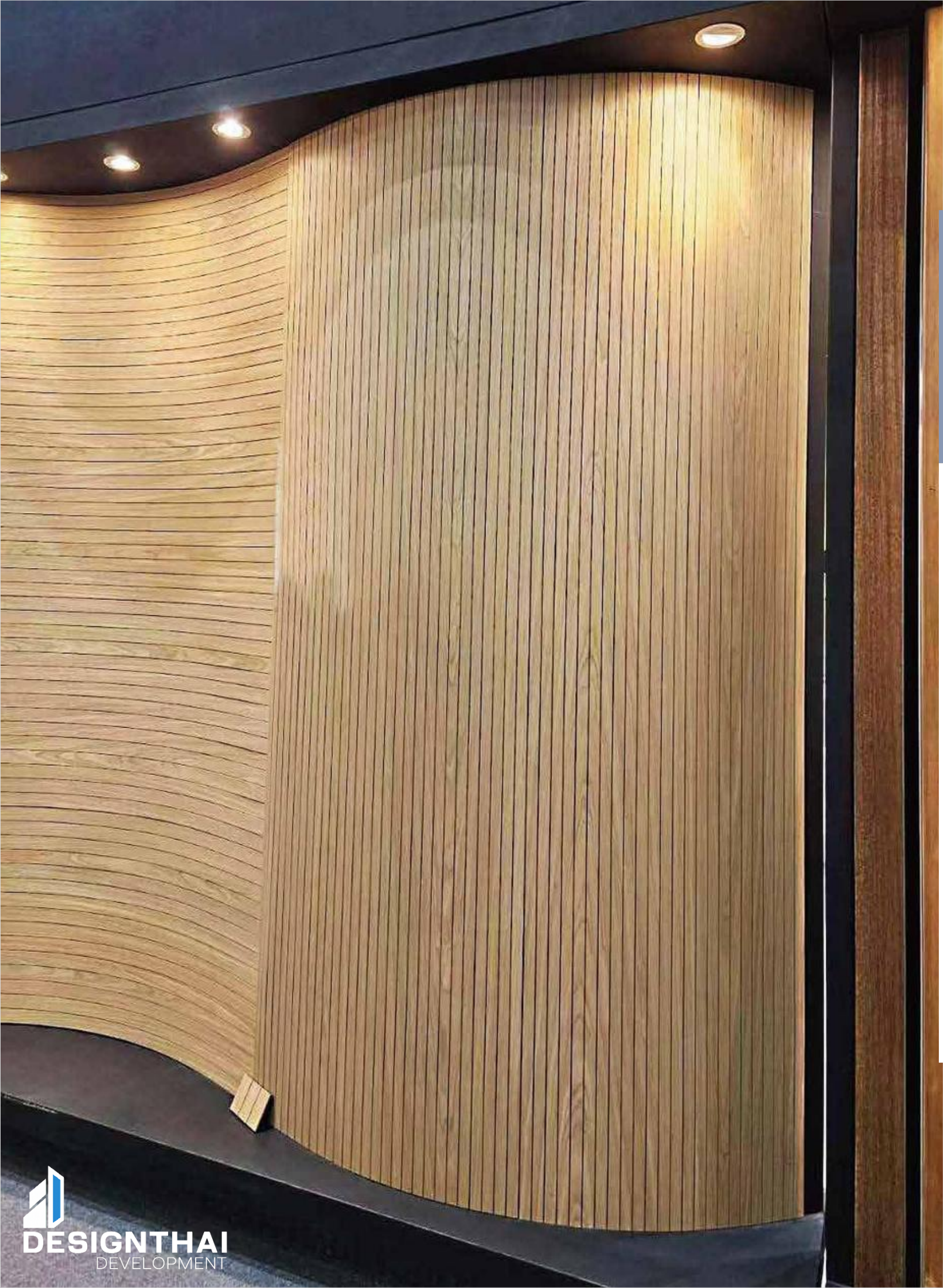




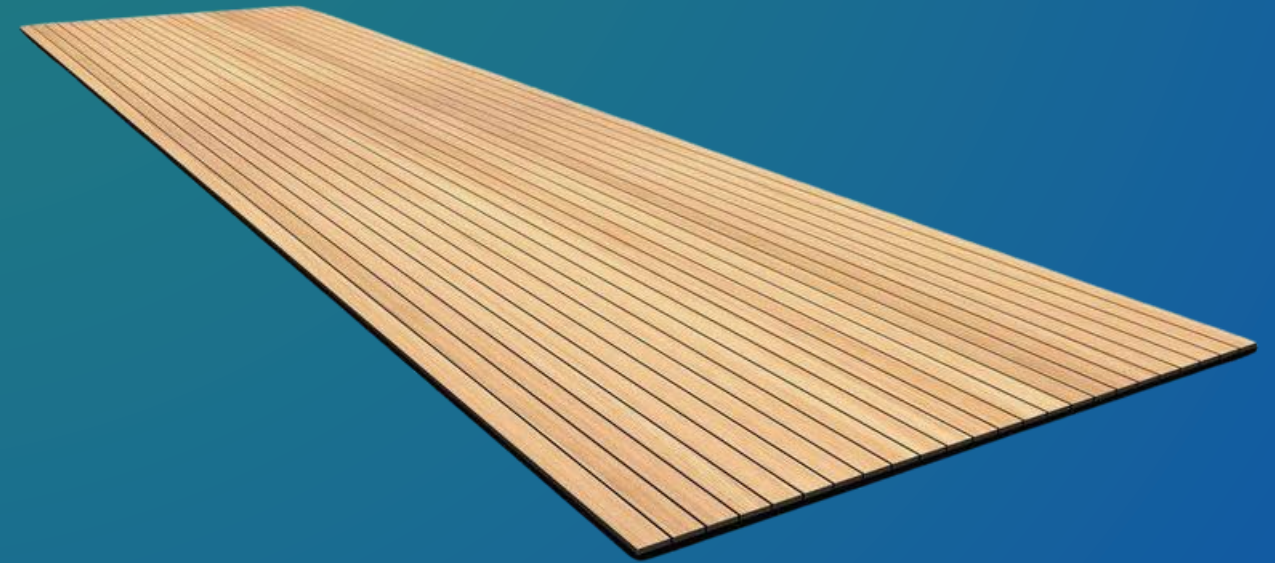
COLOR

SCENE RENDERING

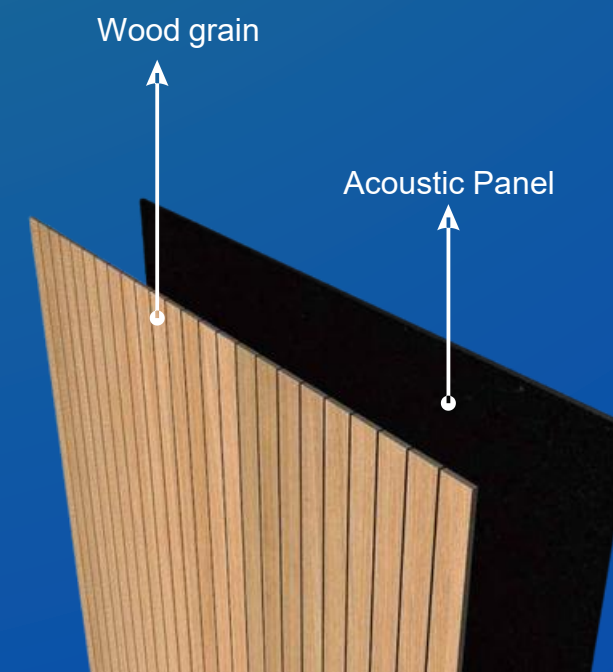




5 ROLLABLE SINGLE WOOD VENEER ACOUSTIC SLAT PANEL

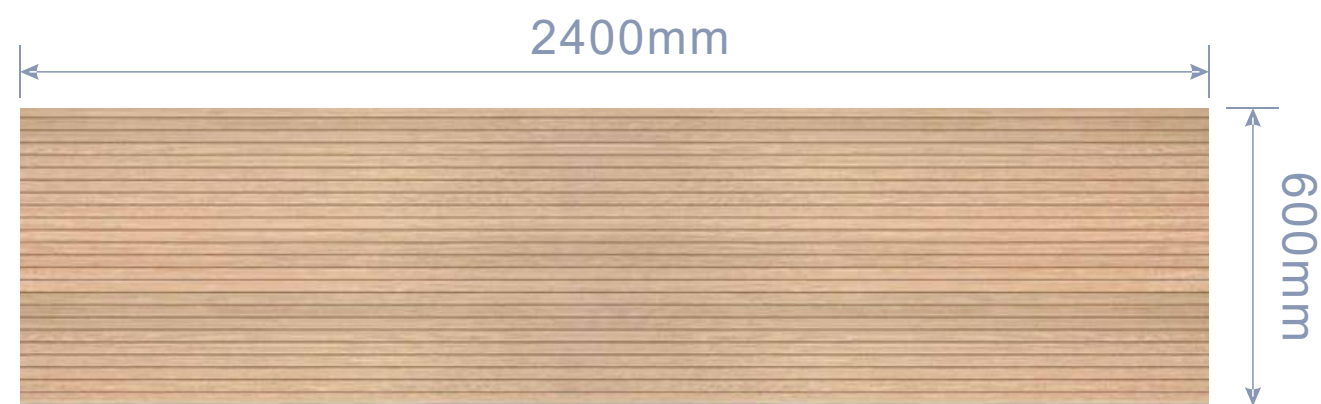


PRODUCT STRUCTURE

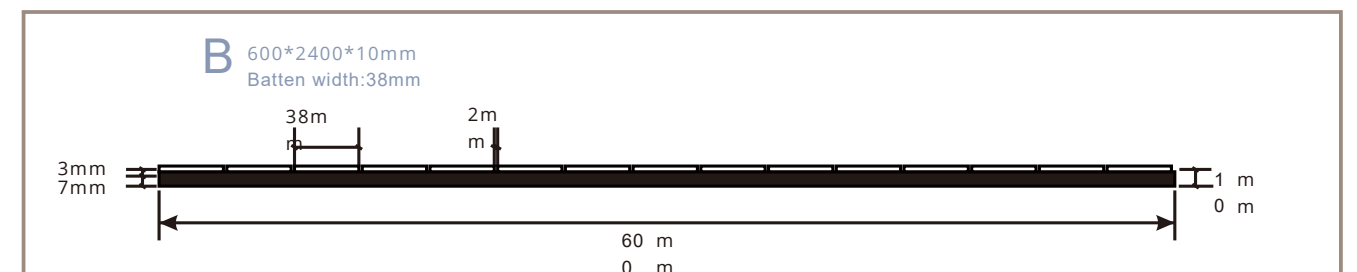
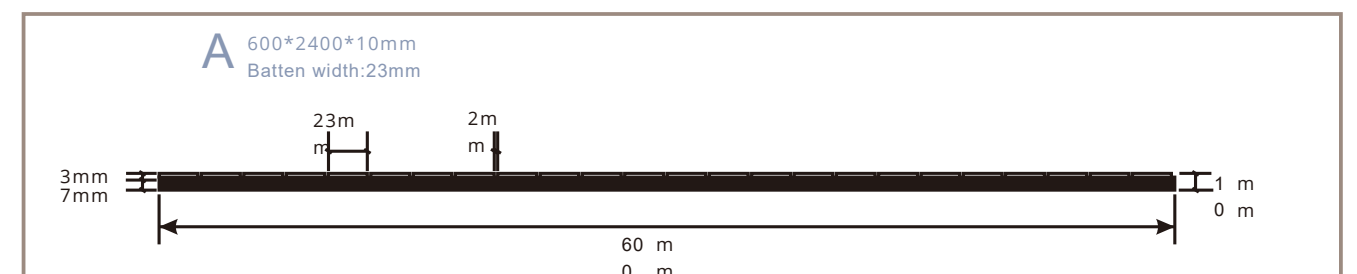




NORMAL SIZE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS





14 Light Oak



15 Grey Oak



16 Oiled Oak



17 Deep Dark



18# B2994



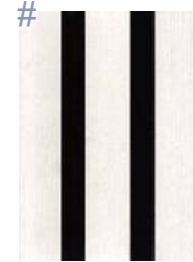
19# black oak



U - Black
V



U - Grey
V



U - White
V

COLOR



2 Washed Oak



3# Teak



4# Walnut



5# Smoked oak



6 Teak



7# Wenge



8 Slner Oak



9# Black Oak



10 Oak



11# Black Walnut



12 Teak

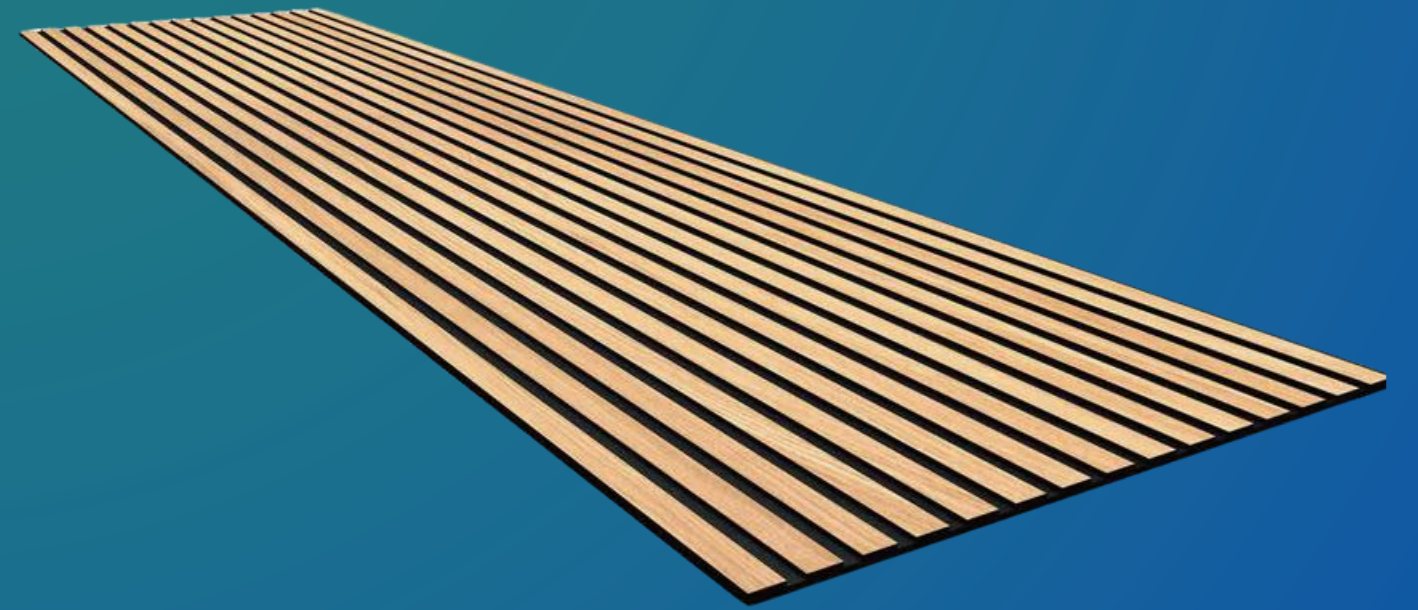


13 classic oak

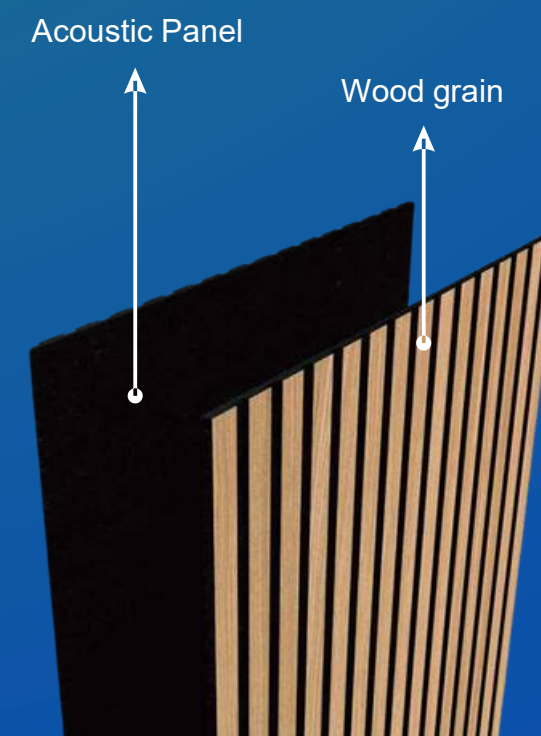




6 WOOD VENEER ACOUSTIC SLAT PANEL WITHOUT MDF

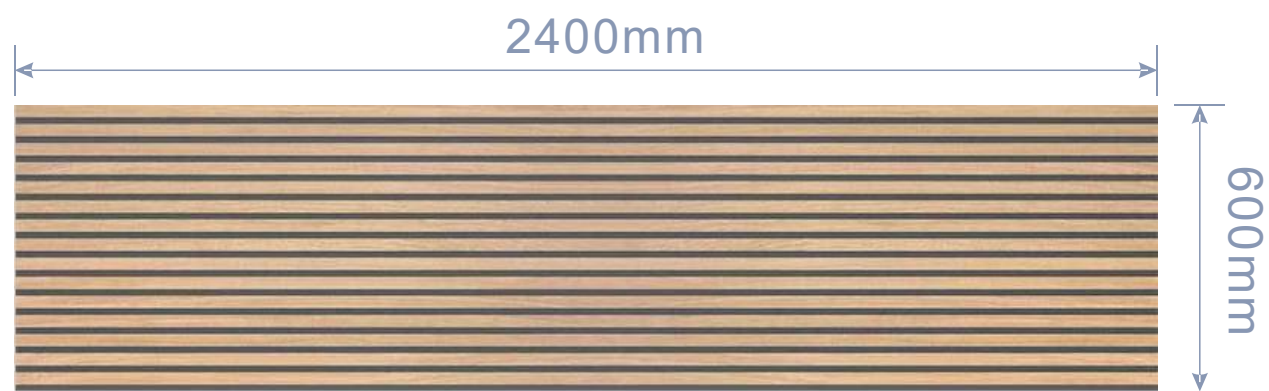


PRODUCT STRUCTURE

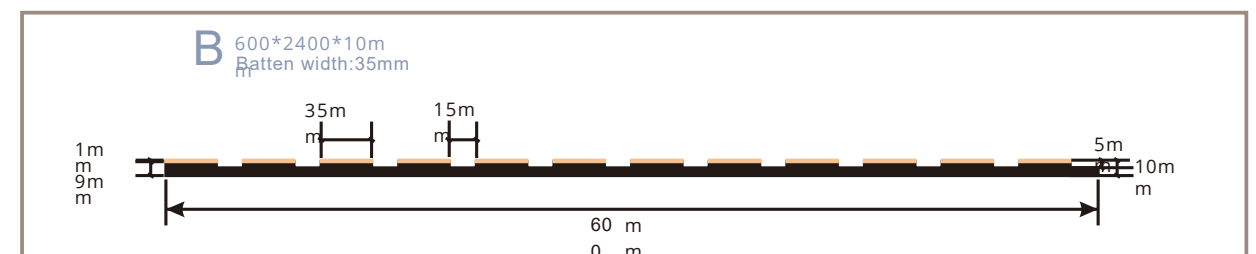
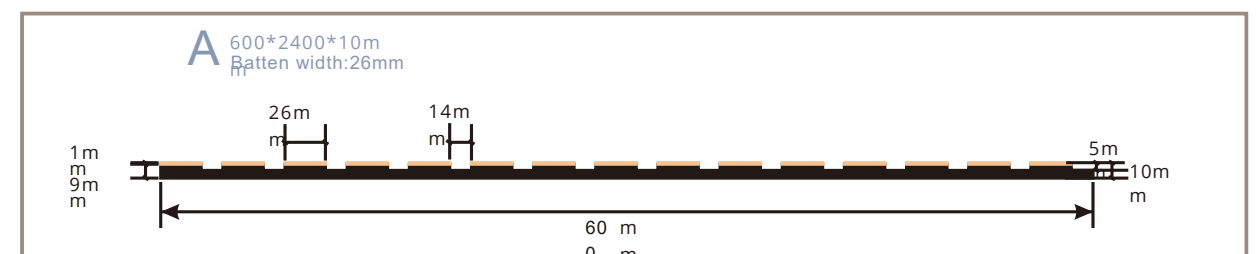




NORMAL SIZE



DETAILED DRAWINGS OF PRODUCT DIMENSIONS





2 Washed Oak
#



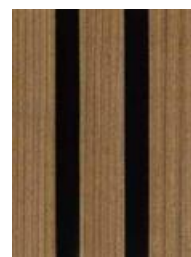
3# Teak



4# Walnut



5# Smoked oak



6 Teak
#



7# Wenge



8 Silver Oak
#



9# Black Oak



10
Oak



11# Black Walnut



12 Teak
#



13 classic oak
#



14 Light Oak
#



15 Grey Oak
#



16 Oiled Oak
#



17 Deep Dark
#



18# B2994
-



19# black oak

COLOR