

# W O O D & P E T

ACOUSTIC PANELS  
WOOD & PET  
CATALOGUE

  
carlos natal®  
feeling beyond quality

[www.carlosnatal.pt](http://www.carlosnatal.pt)



**Aesthetics,  
acoustics, balance.**

**Estética,  
acústica, equilíbrio.**



## SLATTED PANEL IN NATURAL WOOD

The perfect combination of the acoustic performance of pet panels and the natural, organic look of wood. A versatile solution that adapts to any space, allowing you to create environments full of comfort and sophistication.

## PAINEL RIPADO DE MADEIRA NATURAL

A combinação perfeita entre a performance acústica das placas PET e o aspecto natural e orgânico da madeira. Uma solução adaptável a qualquer espaço e que permite criar ambientes repletos de conforto e sofisticação.



**FORESTS  
FOR ALL  
FOREVER**

**STANDARD  
100**

20230K1743  
AITEX

[WWW.OEKO-TEX.COM](http://WWW.OEKO-TEX.COM)

AEN-COC-001396







## COMPOSITION COMPOSIÇÃO

### **100% poliéster PET (60% fibra PET reciclada + 40% fibra PET virgem) 9mm**

A base em PET do painel vai absorver e provocar a dispersão das ondas sonoras

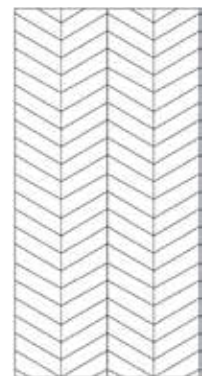
### **MDF de baixa densidade**

O formato ripado do MDF actua como difusor do ruído

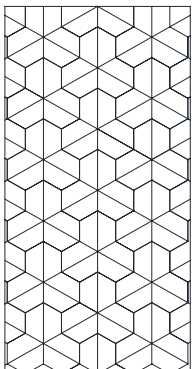
### **Folha de madeira natural**

Através da utilização de madeira verdadeira como matéria-prima, e recorrendo à tecnologia de biónica e desenho 3D, foi possível desenvolver um novo conceito de painel acústico decorativo.



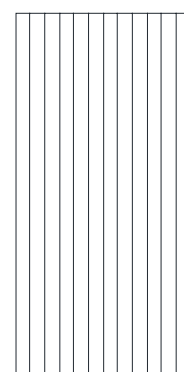


FISHBONE 1\*



CLOVER\*





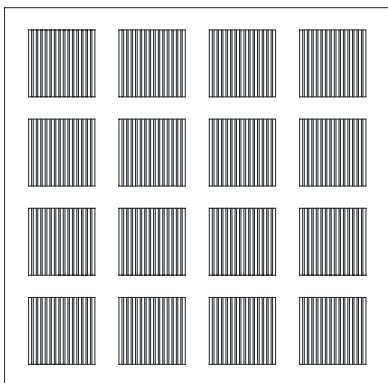
STRIPES 1\*





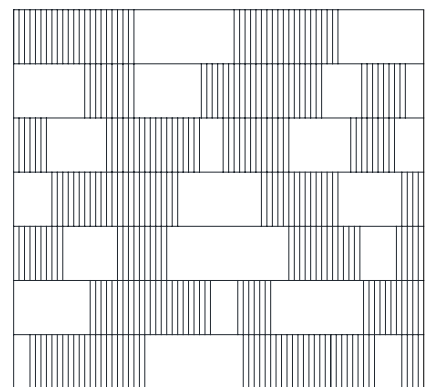
Where comfort  
meets nature.

Onde o conforto  
encontra a natureza.

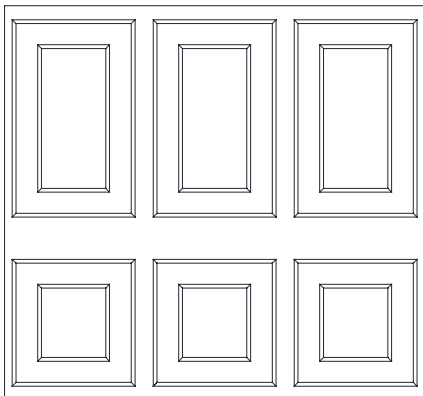


GRID



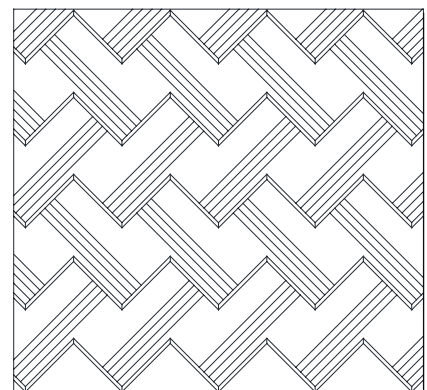


MATRIX



DISPLAY

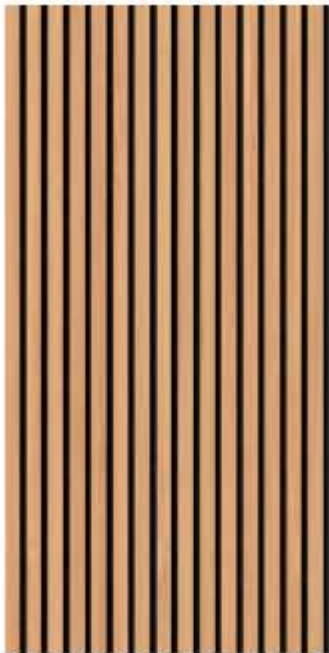




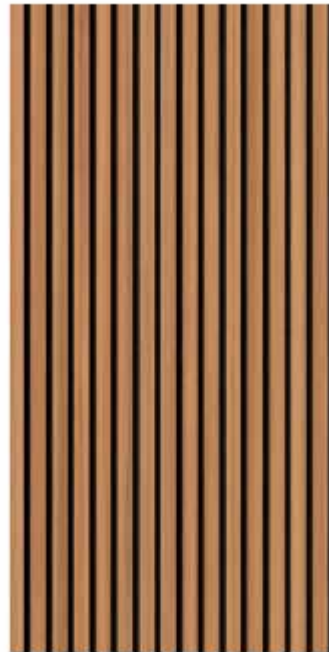
OBLIQUE 2

# SLAT COLOURS

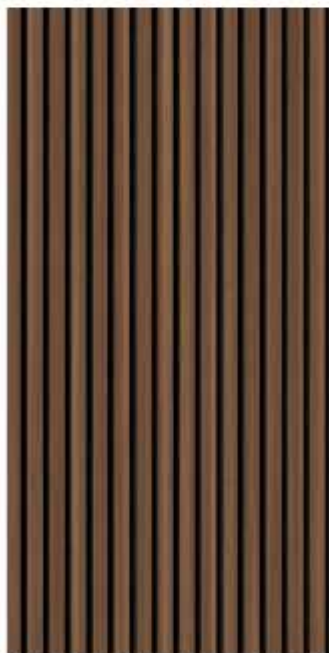
CORES DO RIPADO



Faia



Alvarinho



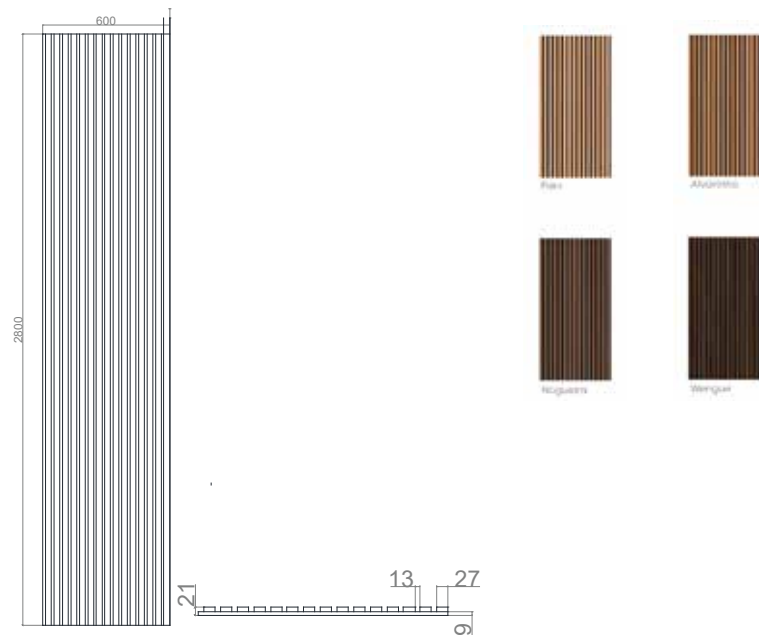
Nogueira



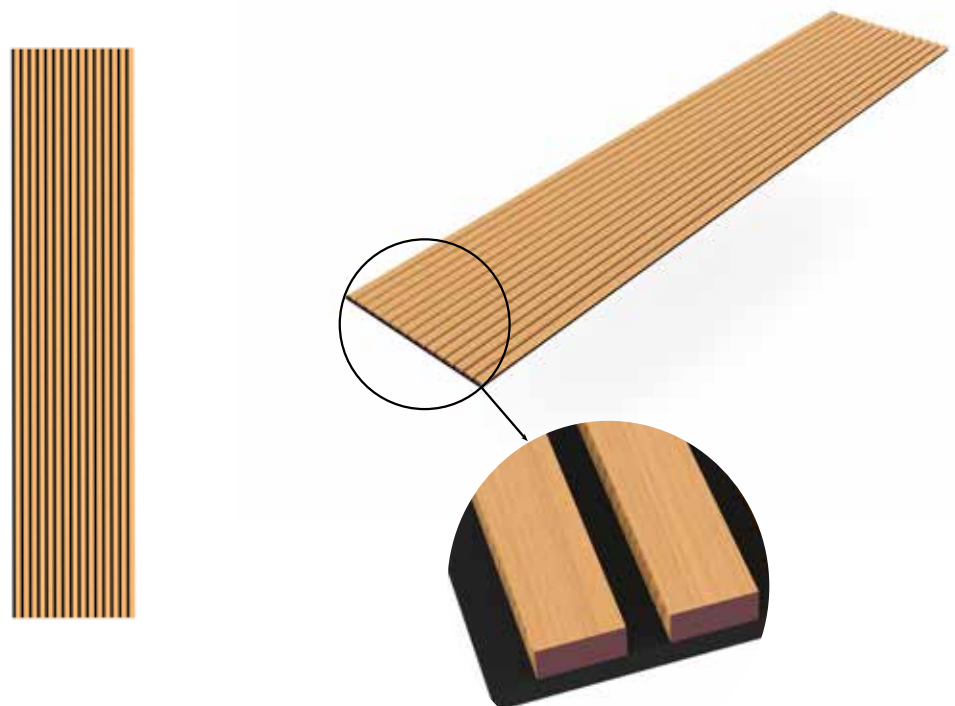
Wengue



# STANDARD PANELS PAINÉIS STANDARD

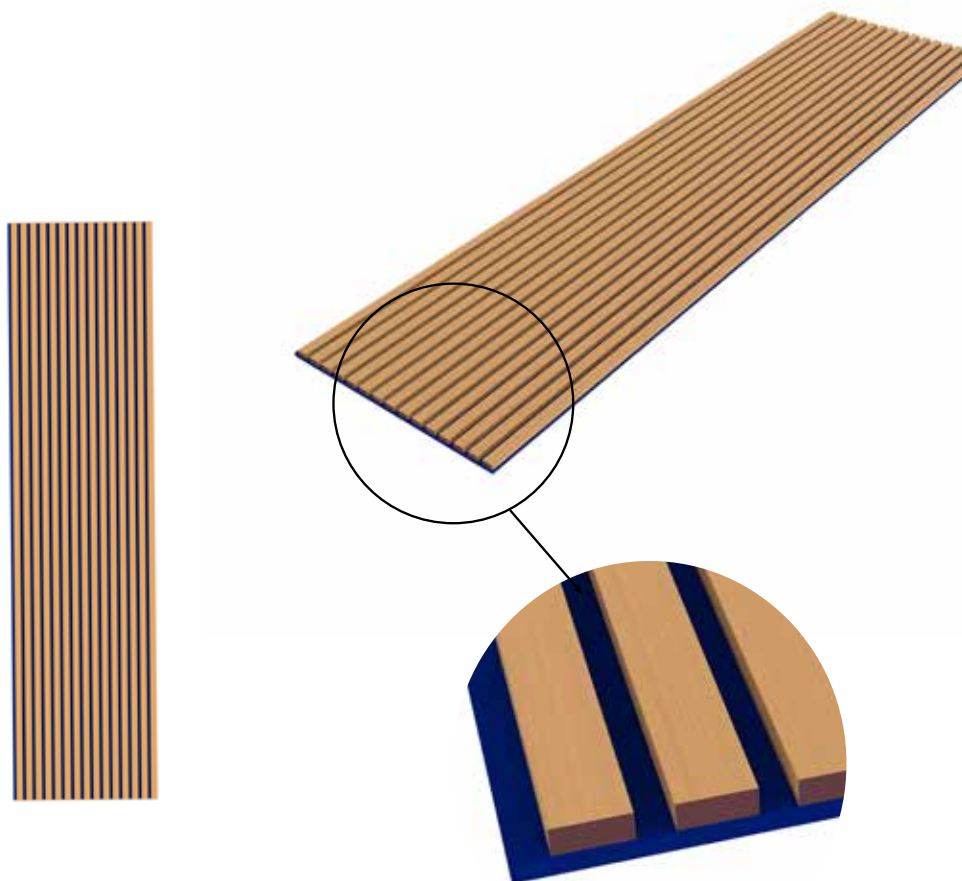
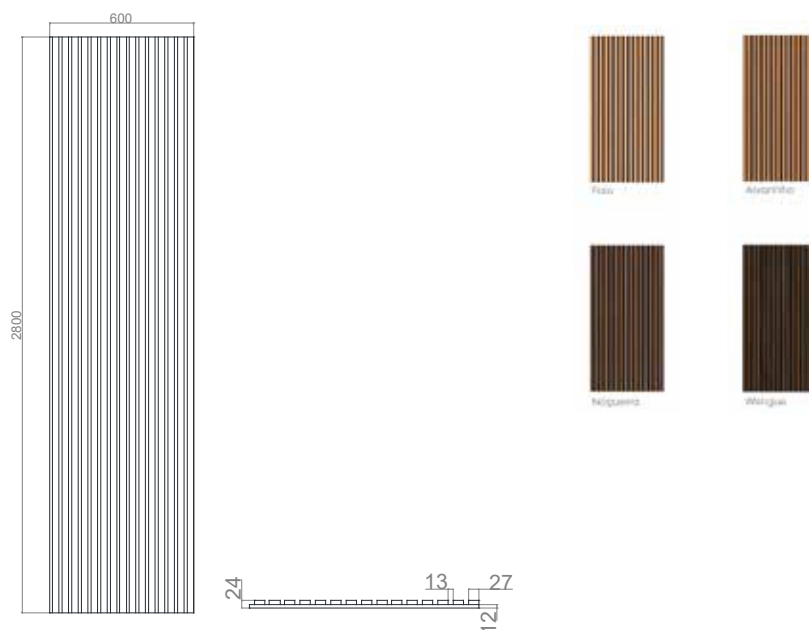


Ripas folheadas nas 3 faces para máxima semelhança com madeira maciça



	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Ripado de Madeira FR Folheado 3 Faces (PET Preto)	614	Wood wrapped MDF slats + PET panel	2800 * 600 * 21 mm 168m <sup>2</sup> /panel	black 9 mm 1300 g/m <sup>2</sup>	EN 13501 B-s3-d0	NRC ≈ 0.80

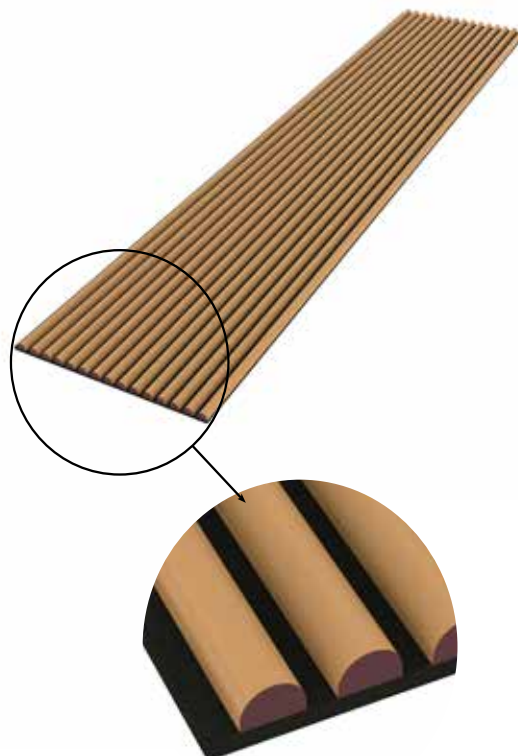
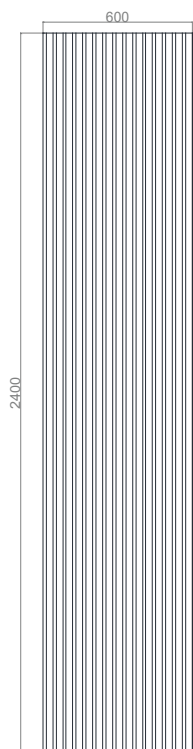
# STANDARD PANELS PAINÉIS STANDARD



	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Ripado de Madeira FR Folheado 3 Faces (PET Cores)	619	Wood wrapped MDF slats + PET panel	2400 * 600 * 24 mm 144m2/panel	33 colours 12 mm 2400 g/m2	EN 13501 B-s3-d0	NRC ≈ 0.80

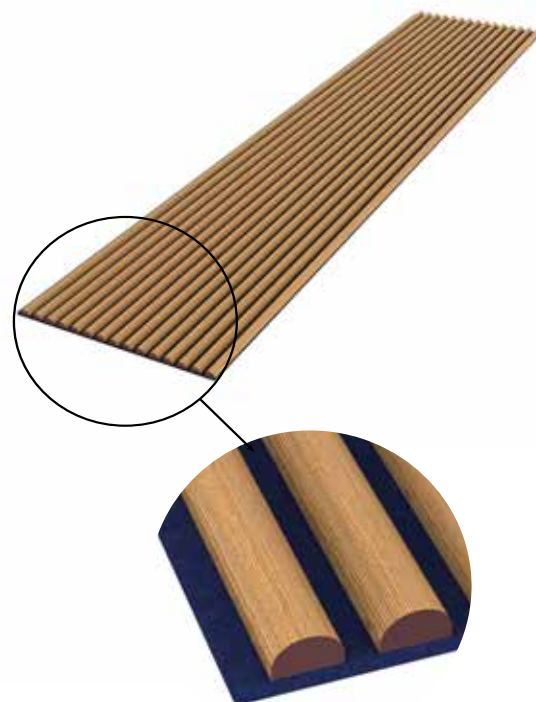
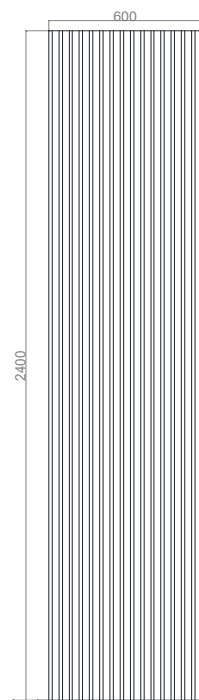


# STANDARD PANELS PAINÉIS STANDARD



	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Ripado de Madeira FR 1/2 cana (PET Preto)	615	Wood wrapped round MDF slats + PET panel	2800 * 600 * 24 mm 168m <sup>2</sup> /panel	black 9 mm 1300 g/m <sup>2</sup>	EN 13501 B-s3-d0	NRC ≈ 0.80

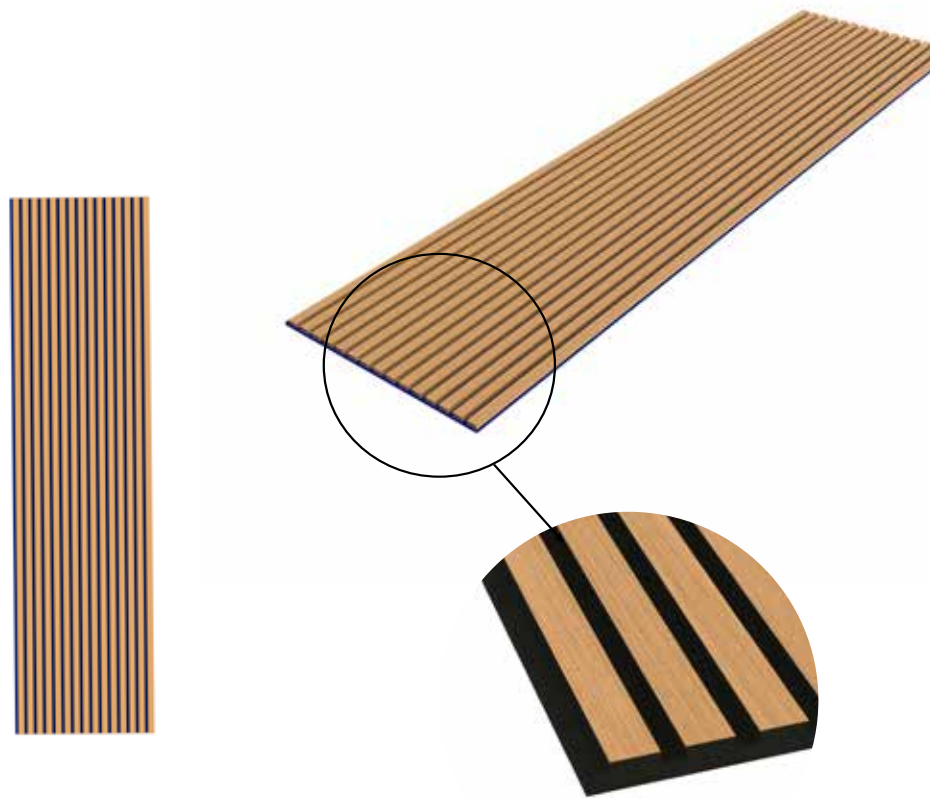
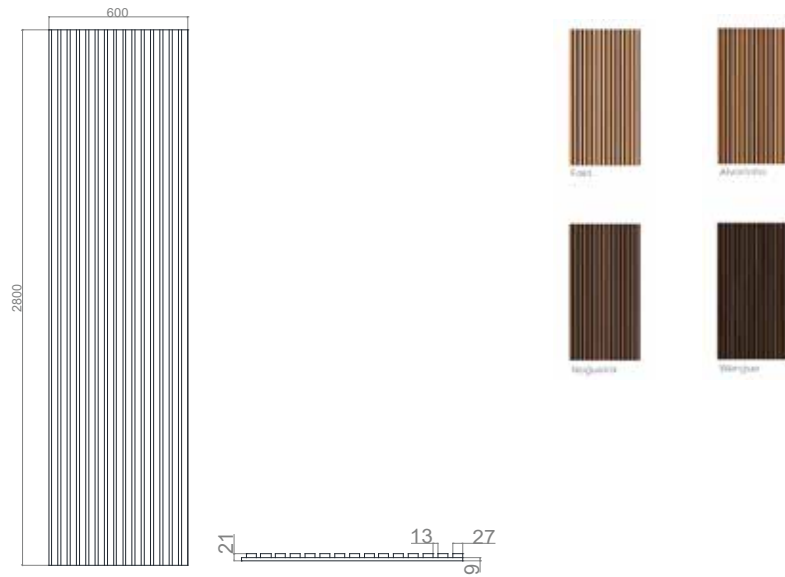
# STANDARD PANELS PAINÉIS STANDARD



	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Ripado de Madeira FR 1/2 Cana (PET Cores)	620	Wood wrapped round MDF slats + PET panel	2400 * 600 * 27 mm 1.44m2/panel	33 colours 12 mm 2400 g/m2	EN 13501 B-s3-d0	NRC ≈ 0.80

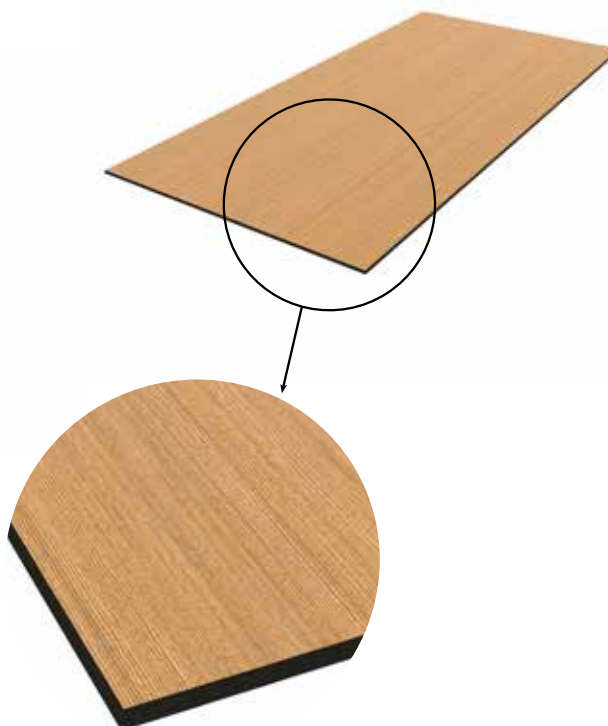


# STANDARD PANELS PAINÉIS STANDARD



	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Ripado de Madeira Folheado 1 Face (PET Preto)	618	Wood laminated MDF slats + PET panel	2800 * 600 * 21 mm 1.68m <sup>2</sup> /panel	black 9 mm 1300 g/m <sup>2</sup>	x	NRC ≈ 0.80

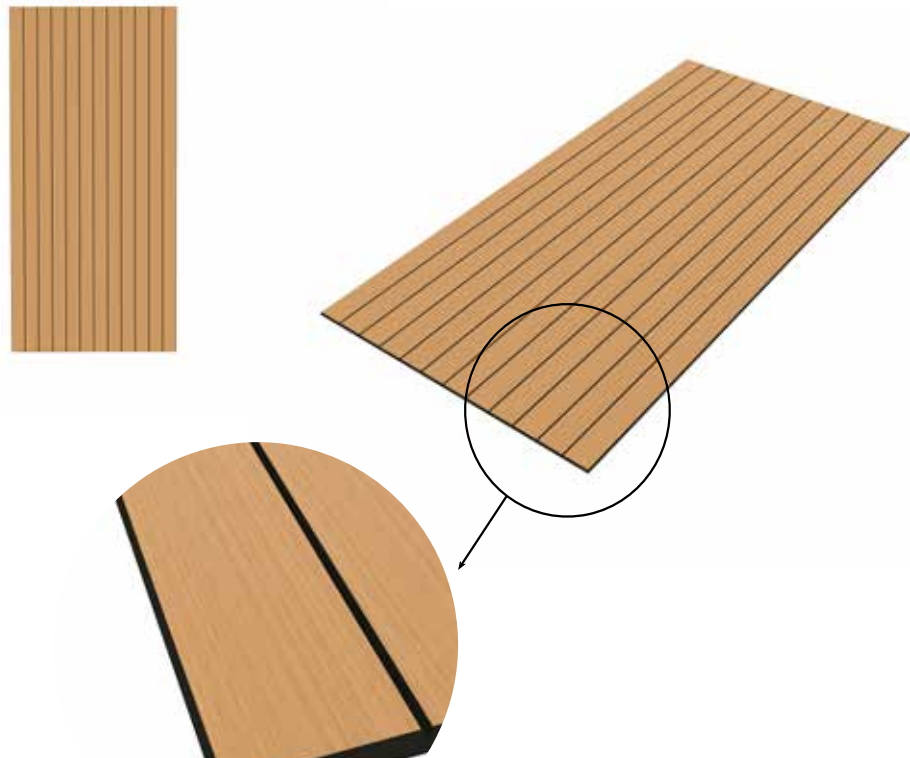
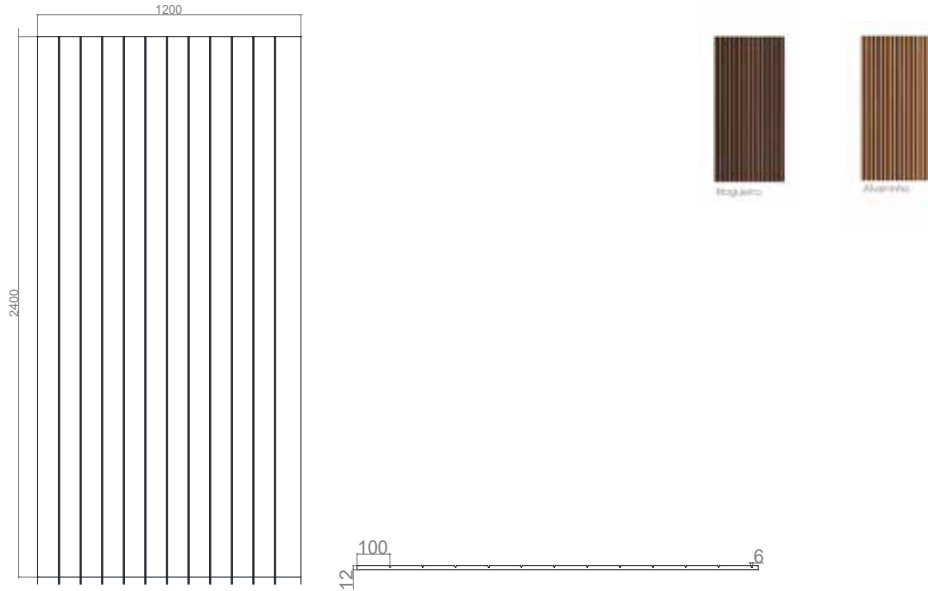
# STANDARD PANELS PAINÉIS STANDARD



	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Folheado de Madeira 1 Face (PET Preto)	616	Wood veneer + PET panel	2440 * 1220 * 12 mm 2.98m <sup>2</sup> /panel	black 12 mm 1900 g/m <sup>2</sup>	X	NRC ≈ 0.55

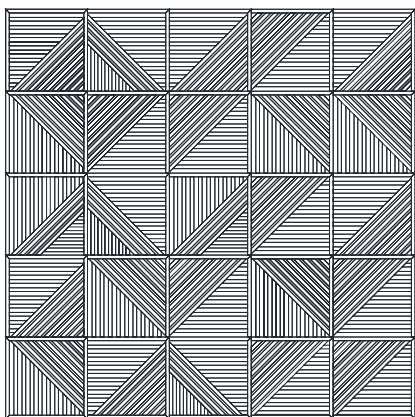


# STANDARD PANELS PAINÉIS STANDARD

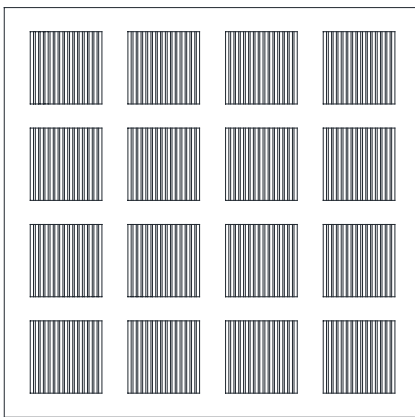


	Ref	Composition	Panel Dimensions	PET Specs	Fire Resistance	Acoustic Performance
Folheado Madeira Bisel 30°/30° mm (PET Preto)	621	Wood veneer + PET panel	2400 * 1200 * 12 mm 1.88m <sup>2</sup> /panel	black 12 mm 1900 g/m <sup>2</sup>	X	NRC ≈ 0.92

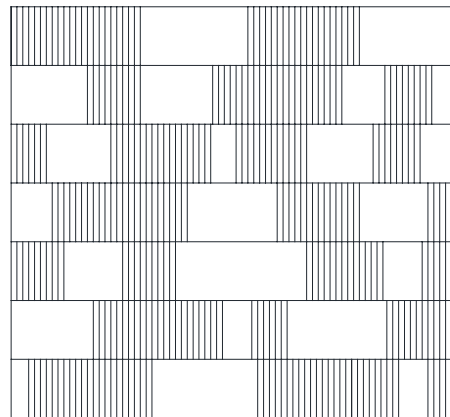
# WOOD SLATE SET CONJUNTOS DE RIPADO DE MADEIRA



TRAMA



GRID



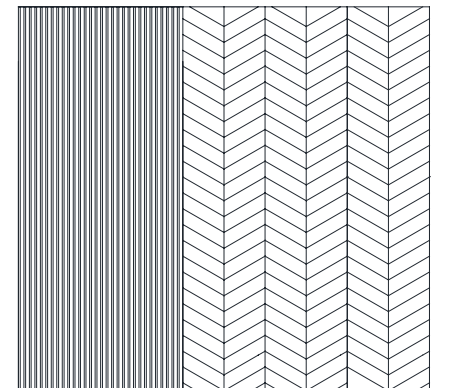
MATRIX



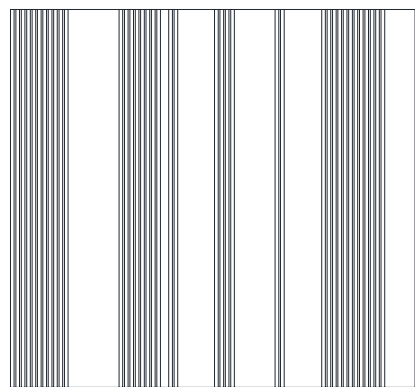
GRID



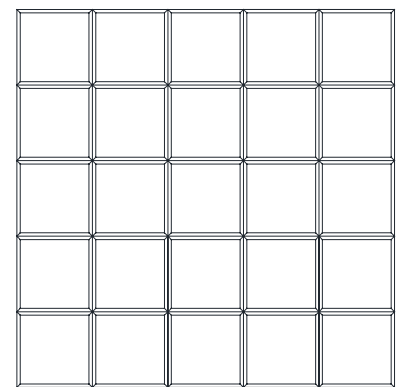
FLOW 1



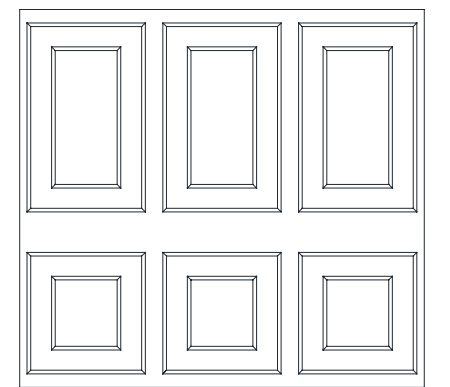
COMBO 1



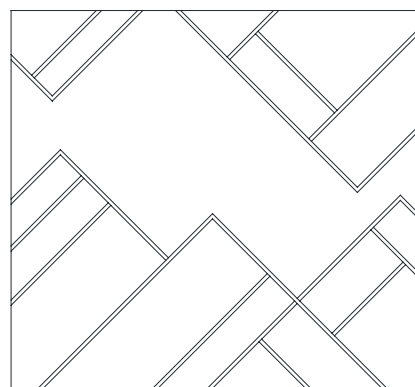
FLOW 2



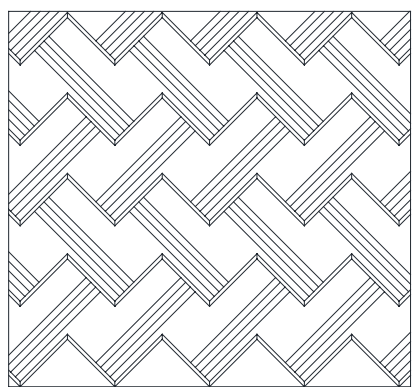
FRAME 1



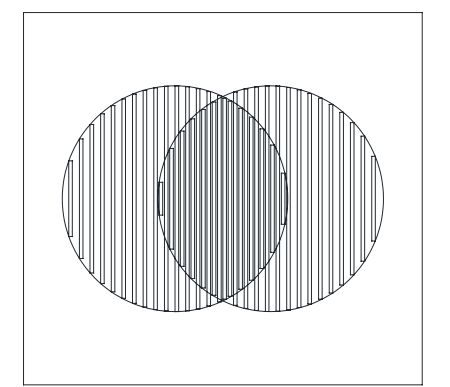
DISPLAY



OBLIQUE 1



OBLIQUE 2

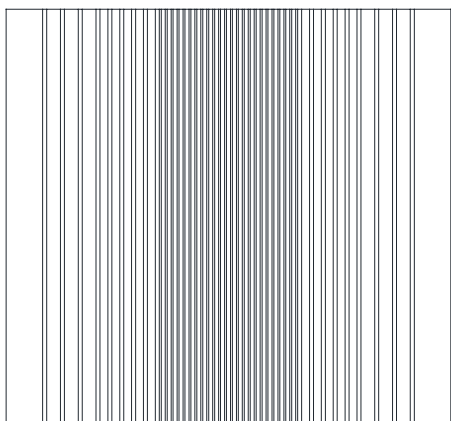


ORBIT

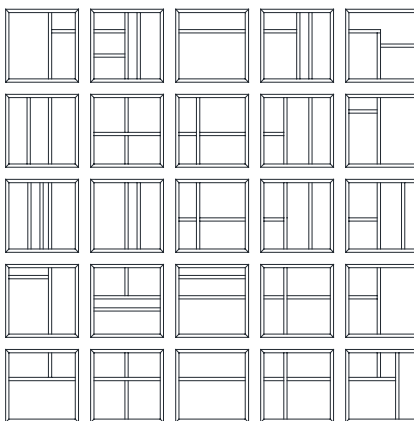


# WOOD SLATE SET

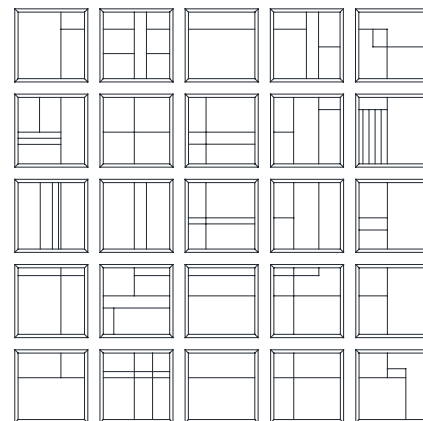
CONJUNTOS DE RIPADO DE MADEIRA



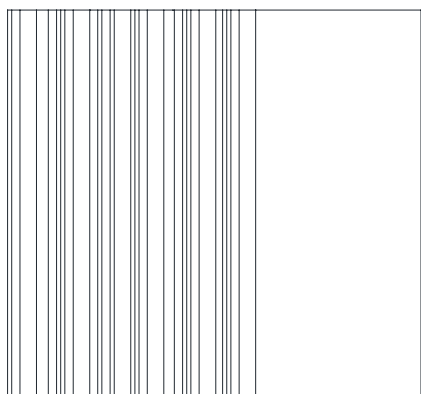
FLOW 3



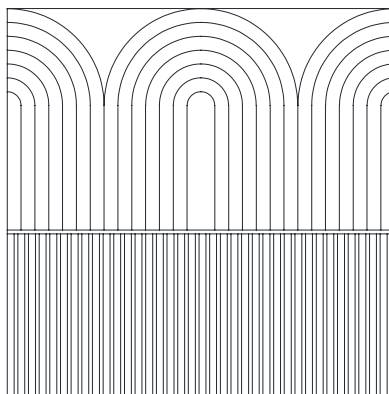
FRAME 2



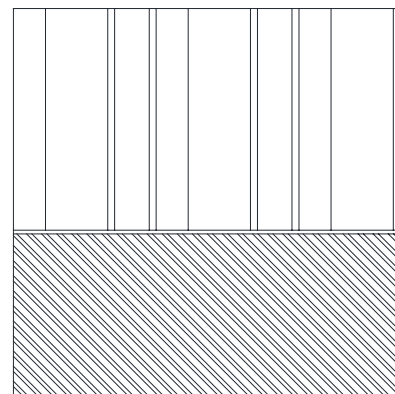
FRAME 3



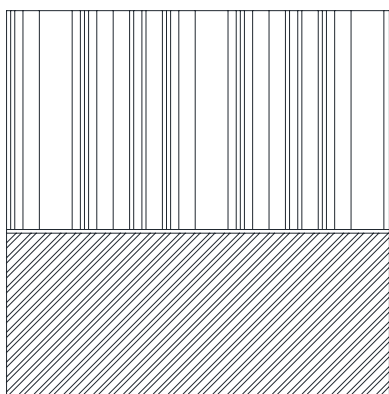
FLOW 3



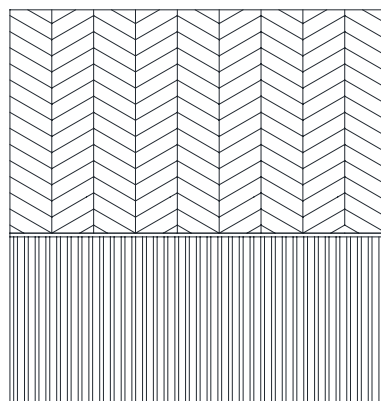
COMBO 2



COMBO 3



COMBO 4



COMBO 5

# COLOURS

## CORES



The colours available for each thickness are listed in the table on the next page.  
Cores disponíveis em cada espessura especificadas na tabela da página seguinte.

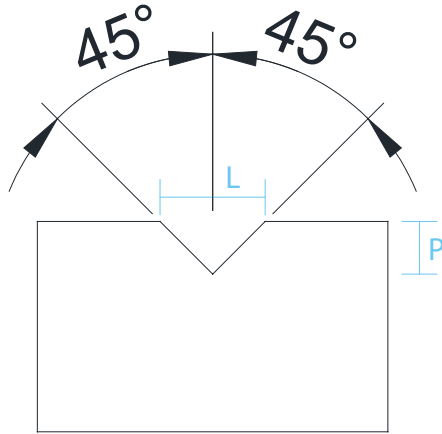


# TECHNICAL DATA

## INFORMAÇÃO TÉCNICA

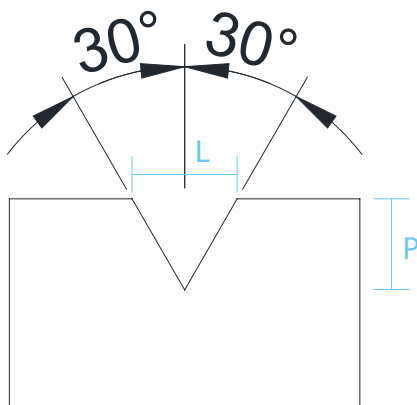
### MAIN FEATURES

### CARACTERÍSTICAS PRINCIPAIS



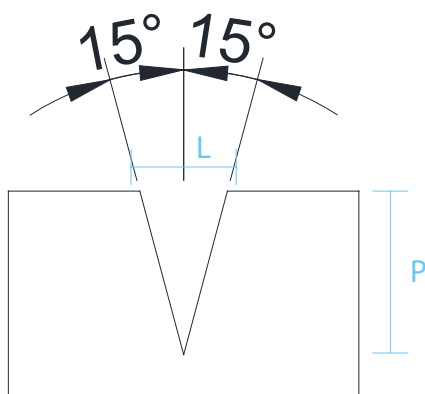
Bisel 45°

L	P
3 mm	1.5 mm
6 mm	3 mm
9 mm	4.5 mm
12 mm	6 mm



Bisel 30°

L	P
3 mm	2.59 mm
6 mm	5.19 mm
9 mm	7.79 mm
12 mm	10.39 mm



Bisel 15°

L	P
3 mm	5.9mm
5 mm	9.33 mm

NOTE: BEVEL WIDTH (W) AND DEPTH (D) ARE ADJUSTABLE WITHIN THE MATERIAL'S LIMITS.  
 NOTA: LARGURA (L) E PROFUNDIDADE (P) DO BISEL AJUSTÁVEL DENTRO DO LIMITE DO MATERIAL

# TECHNICAL DATA

## INFORMAÇÃO TÉCNICA

### CERTIFICATIONS PET

### CERTIFICAÇÕES PET



EN 13501 CLASS B-s1,d0  
ASTM E84 CLASS A



EXEMPLARY LEVEL EMISSION  
CRITERIA OF BREEAM



ISO 116554:  $\alpha W=0.25$  | ISO 354



EC1<sup>PLUS</sup> CLASSIFICATION  
BY EMICODE CRITERIA



OEKO-TEX®  
STANDARD 100 20230K1743



MEETS FORMALDEHYDE  
LIMIT REQUIRED BY LEED



IMO MSC.307 (88)  
ANNEX 1 PART 5



AUSÊNCIA DE AZO-  
COMPOSTOS, FTALATOS  
E DMF



ASTM E2149



ISO 846



EN ISO 105 B-02: 6-7



EN ISO 105-X12: 4-5

### CERTIFICATIONS WOOD

### CERTIFICAÇÕES WOOD



ASTM E84 CLASS A  
EN 13501 CLASS B-s3,d0



NRC = 0.72\* (ISO 354:2003)



OEKO-TEX® STANDARD 100  
(testado para substâncias nocivas)



FSC® Chain of Custody Certificate  
(AEN-COC-001396)

Material certificado segundo a norma BS EN 13964:2014 (Suspended Ceilings. Requirements and Test Methods).



# TECHNICAL DATA

## INFORMAÇÃO TÉCNICA

### MAIN FEATURES

### CARACTERÍSTICAS PRINCIPAIS



**RECYCLED FROM  
PET BOTTLES**

RECICLADO A PARTIR DE  
GARRAFAS PET



**CHEMICALLY STABLE**

QUIMICAMENTE INERTE



**ACOUSTIC INSULATOR**

ISOLANTE ACÚSTICO



**THERMIC INSULATOR**

ISOLANTE TÉRMICO



**EASY TO HANDLE**

FÁCIL MANUSEAMENTO



**ODOULESS**

INODORO



**FIRE PROOF**

INGÍFUGO



**IMPACT RESISTANT**

RESISTENTE AO CHOQUE



**MOLD RESISTANT**

ANTIFÚNGICO



**LONG LASTING**

DURÁVEL



**ANTI-BACTERIAL**

ANTIBACTERIANO



**FREE OF HARMFULL  
CHEMICALS**

LIVRE DE PRODUTOS  
QUÍMICOS NOCIVOS



**ANTI-STAIN**

ANTI-MANCHA



**ANTI-STATIC**

ANTIESTÁTICO



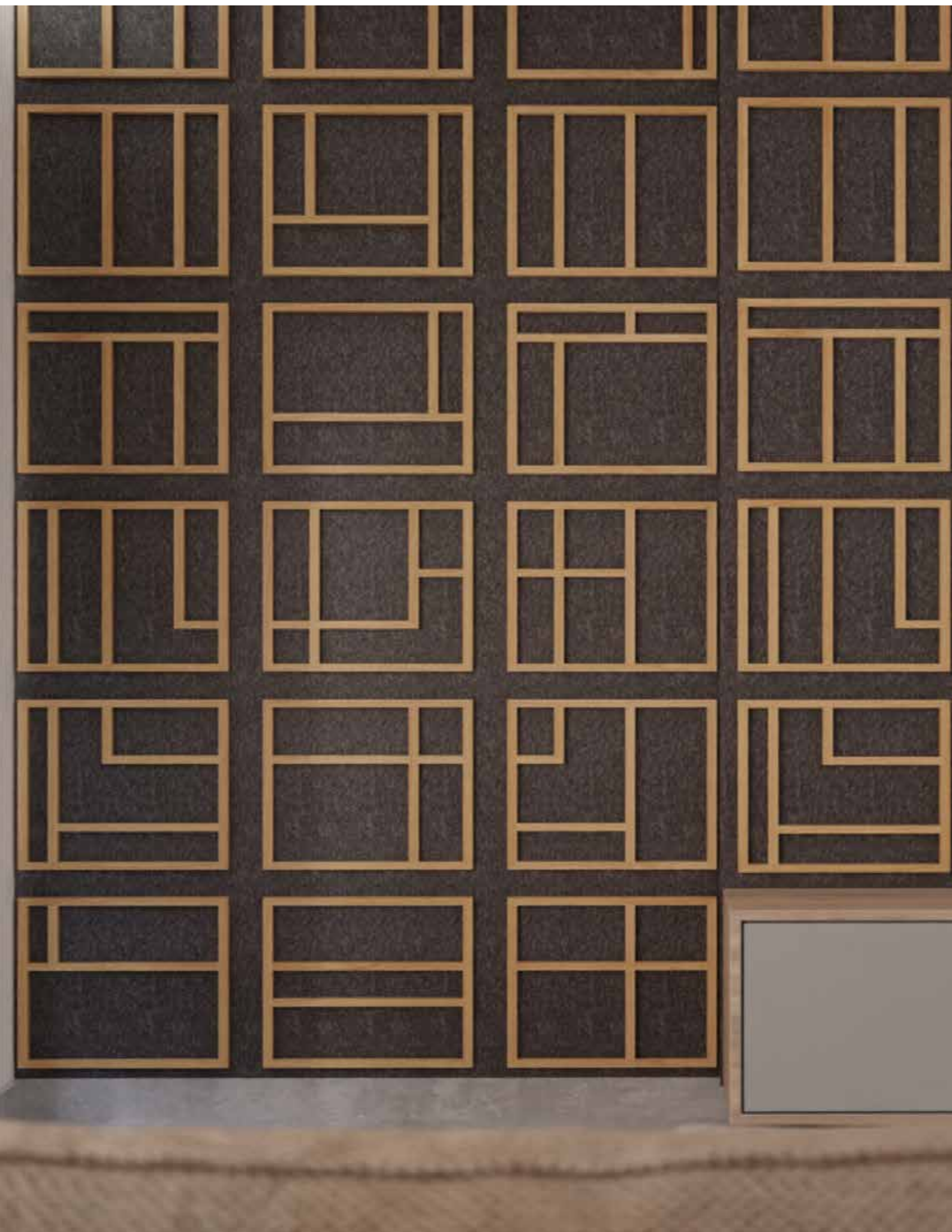
**WATER PROOF**

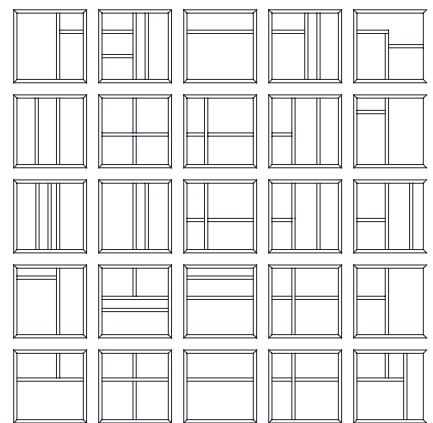
ATI-MANCHA



**EASY TO CLEAN**

FÁCIL DE LEIMPAR





FRAME 2

Contacts | Contactos

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feeling beyond quality