

Wood ceilings & coverings

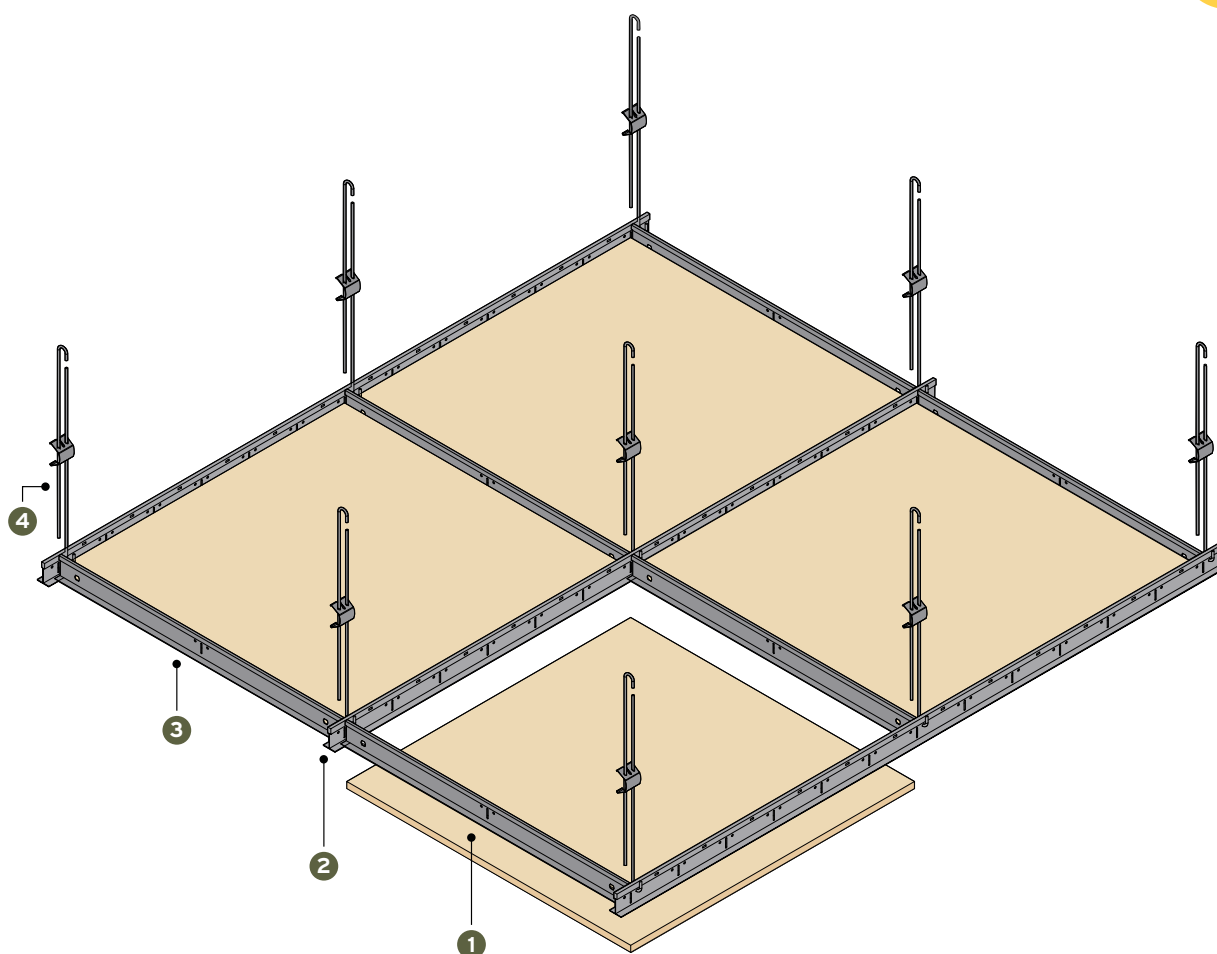
# **ACOUSTIK PLUS**

## **EXPO 100** system

 **CBI**  
EUROPE  
HI-TECH INTERIORS



# WOOD **EXPO 100** SYSTEM

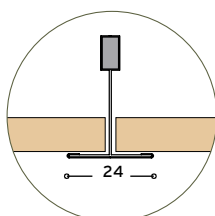


## PANEL PANNELLO

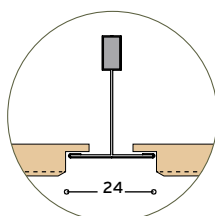
dimension type  
square quadrato · ACOUSTIK PLUS  
rectangular rettangolare

## GRID SYSTEM STRUTTURA

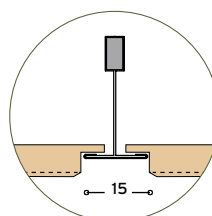
- CWT
- CWR
- CWN
- CWX



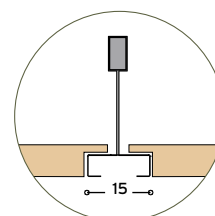
TRIM T24 > CWT



REVEAL T24 > CWR



NARROW T15 > CWN



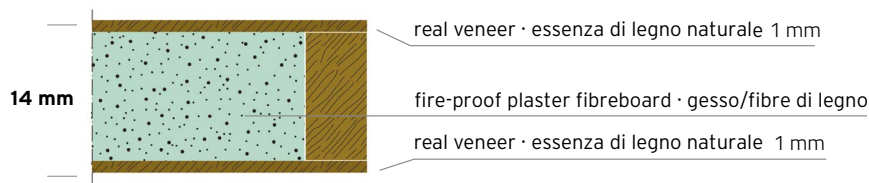
XLINE T15 > CWX

38

1	2	3	4
panel pannello 600x600 mm 600x1200 mm	main runner profilo portante CWT · CWR > <b>PKH 3700</b> 24x38x3700 mm CWN > <b>PKA 3700</b> 15x38x3700 mm CWX > <b>BP 3600</b> 15x42x3600 mm	cross tee profilo intermedio <b>IKH 0600</b> 24x38x600 mm <b>IKHA 0600</b> 24x38x600 mm <b>BP 0600</b> 15x42x600 mm	<b>SOR</b> suspension sospensione

## TYPE OF PANELS

### ACOUSTIK PLUS · FIRE-PROOF PLASTER FIBREBOARD

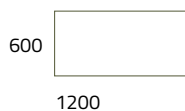


#### FIRE-PROOF PLASTER FIBREBOARD

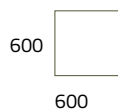
Internal bond · Resistenza allo strappo	EN 319	0,35 / 1,1 N/mm <sup>2</sup>
C.R.F.	EN 310	9 N/mm <sup>2</sup>
M.O.E.	EN 310	4000 N/mm <sup>2</sup>
Thickness swelling 24H (max) · Rigonfiamento 24H (max)	EN 317	0,08 %
Surface soundness · Strappo superficiale	EN 311	18 N/mm <sup>2</sup>
Thickness Tolerance · Tolleranza di spessore	EN 324-1	+/- 0,5 mm
Length and width tolerance · Toll. lunghezza e larghezza	EN 324-1	+/- 0,3 mm
Squareness · Squadro	EN 324-2	+/- 0,3 mm
Moisture content · Umidità	EN 322	2%
Grit content · Contenuto in silice	ISO 3340	0
Formaldehyde · Formaldeide	EN 120	0
Fire reaction class · Classe di reazione al fuoco		A2 s <sub>1</sub> d <sub>0</sub>

## MODULARITY

#### rectangular

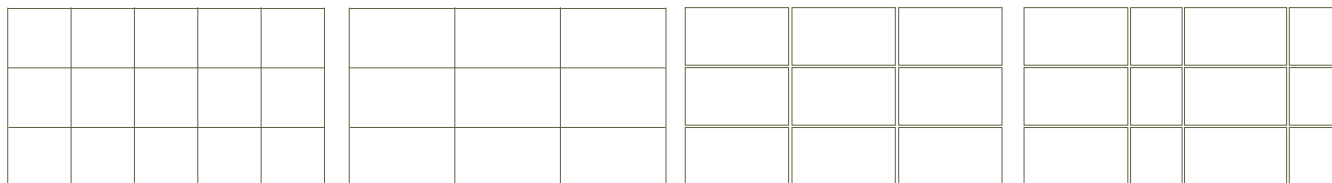


#### square



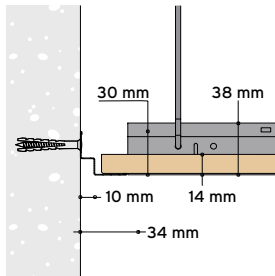
OTHER DIMENSION AVAILABLE ON REQUEST

#### sample compositions

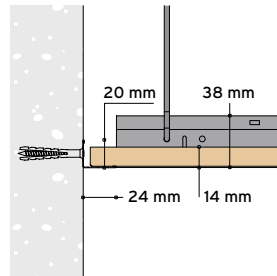


## PERIMETRAL MOLDING

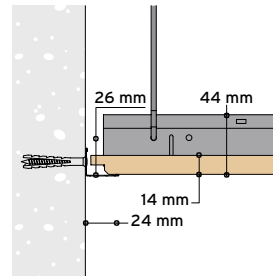
### WOOD EXPO 100



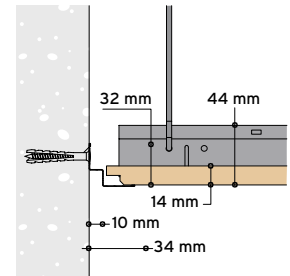
**W3000**  
CWT



**A3000**  
CWT



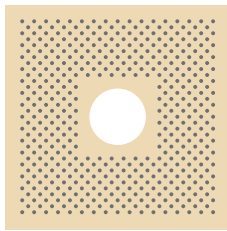
**A3001**  
CWR · CWN



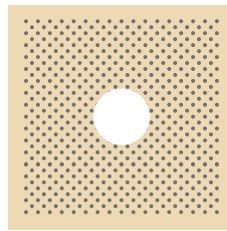
**W3001**  
CWR · CWN

## ACCESSORIES

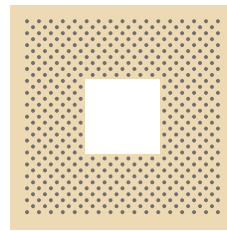
### HOLES FOR LIGHTING UNITS



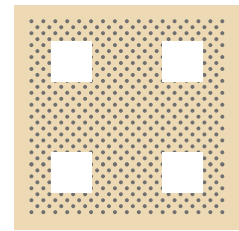
**H01**



**H02**

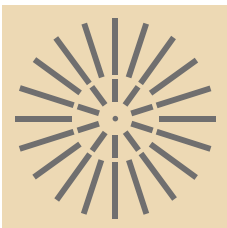


**H03**

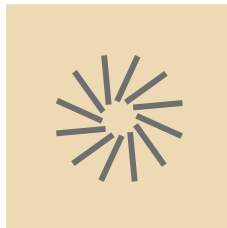


**H04**

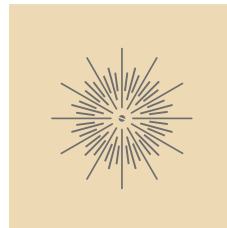
### AIR VENTS



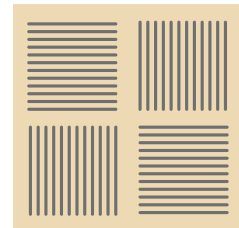
**H05**



**H06**



**H07**



**H08**

### FITTINGS

All Wood System panels permit the installation of fittings such as lighting, air nozzles, fume detectors, sprinklers and suspended signboards.

## FINISHES

### REAL VENEER

> ACOUSTIK PLUS



maple



wengé



beech



cherry



zebrano



ash tree



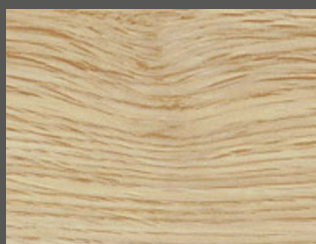
walnut 1



walnut 2



mahogany



oak

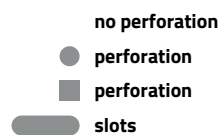
The colour card shown on this page is purely for information purposes; please request samples. Please contact CBI Europe's Technical Office for special colour re-

quirements which will be supplied only for orders of at least 800 sq.m. Wood system accessories are finished in aluminium or wood.

# PERFORATION



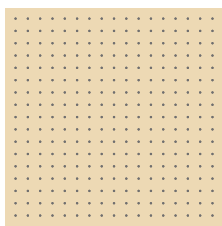
ACOUSTIC ABSORPTION



## ABC = ACOUSTIK PLUS PANELS



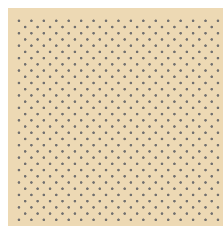
**PR0**



**PR1**

Ø 6 = 2.27 %  
Ø 8 = 4.03 %

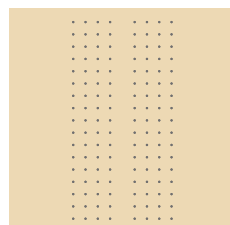
● : 289



**PR2**

Ø 6 = 4.28 %  
Ø 8 = 7.61 %

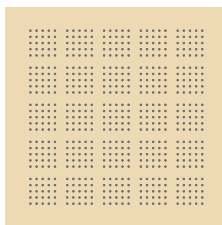
● : 545



**PR6**

Ø 6 = 1.07 %  
Ø 8 = 1.90 %

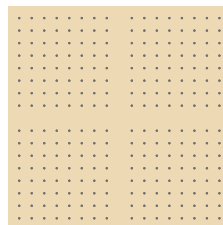
● : 136



**PR3**

Ø 6 = 4.28 %  
Ø 8 = 7.61 %

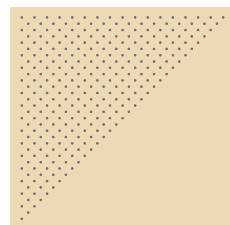
● : 545



**PR4**

Ø 6 = 2.01 %  
Ø 8 = 3.57 %

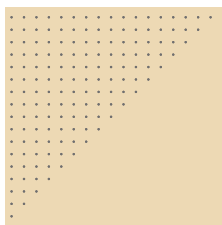
● : 256



**PR8**

Ø 6 = 1.20 %  
Ø 8 = 2.14 %

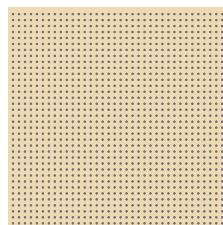
● : 153



**PR7**

Ø 6 = 2.27 %  
Ø 8 = 4.03 %

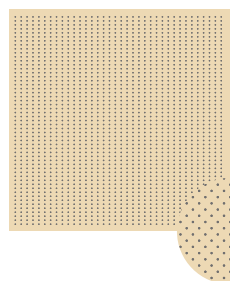
● : 289



**PR5**

Ø 6 = 10.17 %  
Ø 8 = 18.09 %

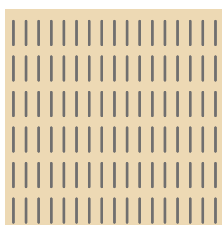
● : 1296



**PR9**

Ø 3 = 2.55 %

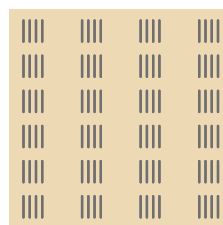
● : 1296



**SL1**

6x66 mm - 11.00 %  
8x66 mm - 14.57 %

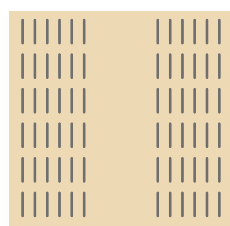
▬ : 102



**SL2**

6x60 mm - 9.39 %  
8x60 mm - 12.43 %

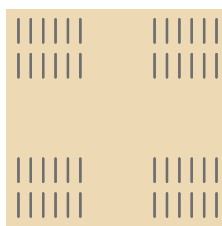
▬ : 96



**SL5**

6x66 mm - 10.35 %  
8x66 mm - 13.71 %

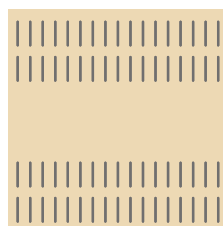
▬ : 96



**SL6**

6x66 mm - 5.18 %  
8x66 mm - 6.86 %

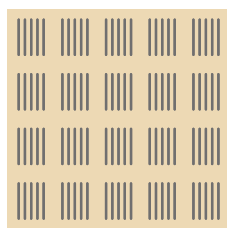
▬ : 48



**SL7**

6x66 mm - 7.33 %  
8x66 mm - 9.71 %

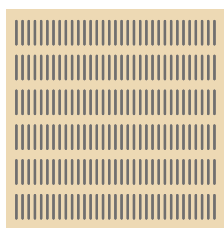
▬ : 68



### SL3

6x96 mm - 15.79 %  
8x96 mm - 20.95 %

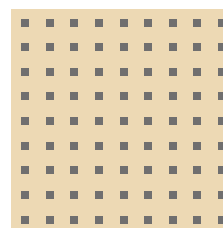
● : 100



### SL4

6x60 mm - 19.37 %  
8x60 mm - 25.64 %

● : 198



### AD8

20x20 mm = 9.00 %

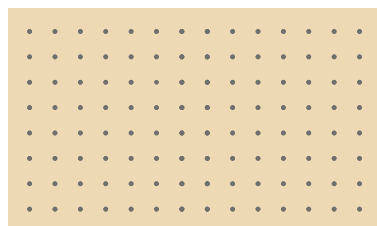
■ : 81

## ABC = ACOUSTIK PLUS STRIPS



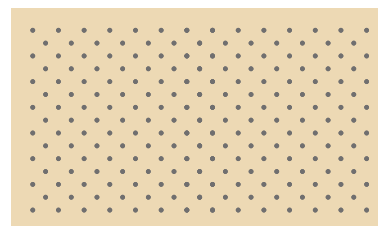
### DFO

280 x 1200 mm  
280 x 1500 mm  
280 x 1800 x 14 mm  
280 x 2100 x 14 mm



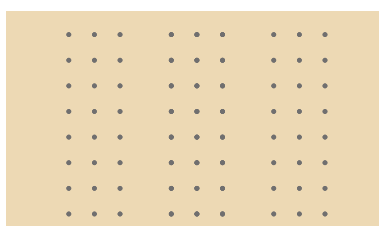
### DF1

Ø 6	Ø 8		
2.49%	4.43%	280 x 1200 mm	● : 296
2.48%	4.40%	280 x 1500 mm	● : 368
2.47%	4.39%	280 x 1800 mm	● : 440
2.50%	4.44%	280 x 2100 mm	● : 520



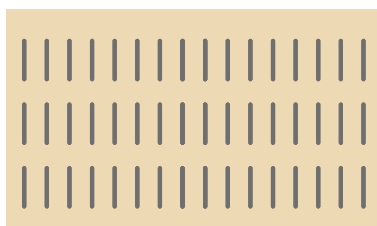
### DF2

Ø 6	Ø 8		
4.61%	8.19%	280 x 1200 mm	● : 548
4.60%	8.17%	280 x 1500 mm	● : 683
4.63%	8.22%	280 x 1800 mm	● : 825
4.65%	8.27%	280 x 2100 mm	● : 968



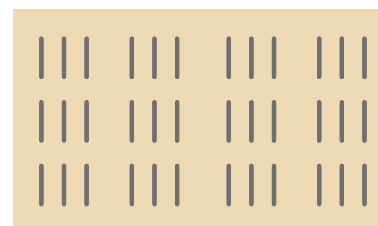
### DF3

Ø 6	Ø 8		
1.82%	3.23%	280 x 1200 mm	● : 216
1.94%	3.45%	280 x 1500 mm	● : 288
1.88%	3.35%	280 x 1800 mm	● : 336
1.85%	3.28%	280 x 2100 mm	● : 384



### CD1

6x66	8x66 mm		
12.83%	16.99%	280 x 1200 mm	■ : 111
12.76%	16.90%	280 x 1500 mm	■ : 138
12.71%	16.84%	280 x 1800 mm	■ : 165
12.88%	17.05%	280 x 2100 mm	■ : 195



### CD2

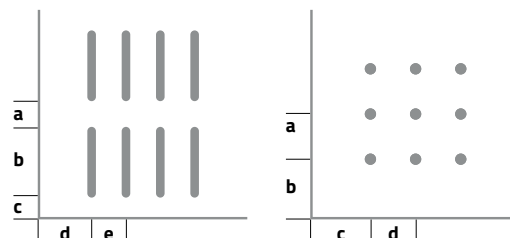
6x66	8x66 mm		
9.36%	12.40%	280 x 1200 mm	■ : 81
9.98%	13.22%	280 x 1500 mm	■ : 108
9.71%	12.86%	280 x 1800 mm	■ : 126
9.51%	12.59%	280 x 2100 mm	■ : 144



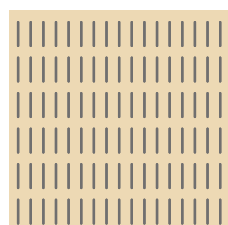
# ACOUSTIC ABSORPTION PANELS

Giordano Institute n° 196088  
197140 UNI EN ISO 354: 2003

ceiling  
covering

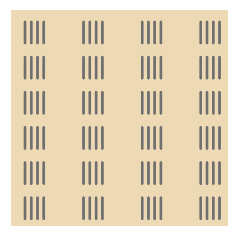
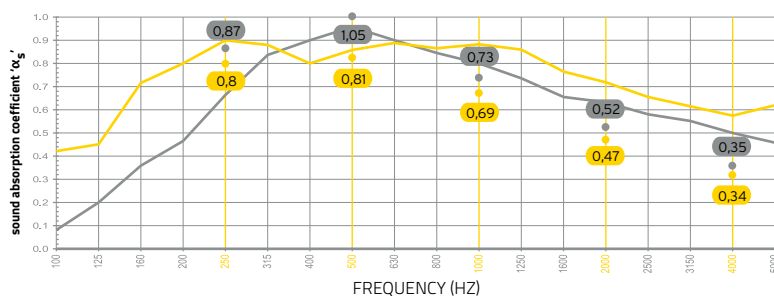


## SLOTS



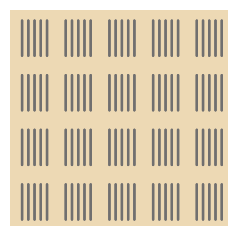
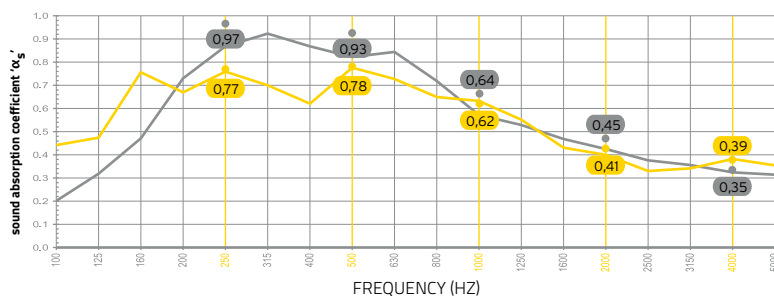
a = 32 mm  
b = 58 mm  
c = 46 mm  
d = 44 mm  
e = 32 mm  
 $\emptyset 6 = 1.07\%$   
 $\emptyset 8 = 1.90\%$

$\alpha_p$  0,87 | 1,05 | 0,73 | 0,52 | 0,35  $\alpha_w = 0,50$   
0,8 | 0,81 | 0,69 | 0,47 | 0,34  $\alpha_w = 0,50$



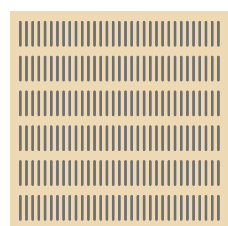
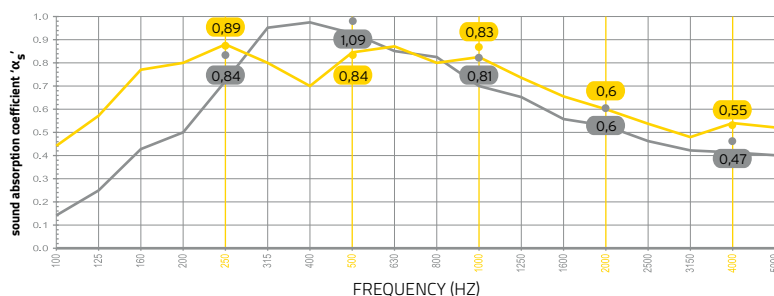
a = 38 mm  
b = 52 mm  
c = 49 mm  
d = 51 mm  
e = 16 mm

$\alpha_p$  0,97 | 0,93 | 0,64 | 0,45 | 0,35  $\alpha_w = 0,50$   
0,77 | 0,78 | 0,62 | 0,41 | 0,39  $\alpha_w = 0,45$



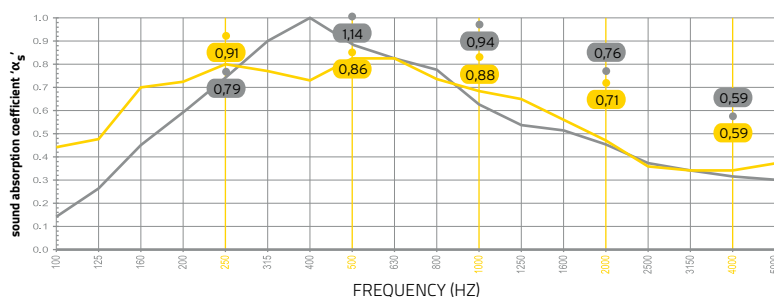
a = 52 mm  
b = 88 mm  
c = 46 mm  
d = 44 mm  
e = 16 mm

$\alpha_p$  0,84 | 1,09 | 0,81 | 0,6 | 0,47  $\alpha_w = 0,60$   
0,89 | 0,84 | 0,83 | 0,6 | 0,55  $\alpha_w = 0,50$



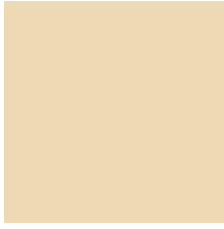
a = 32 mm  
b = 58 mm  
c = 46 mm  
d = 44 mm  
e = 16 mm

$\alpha_p$  0,79 | 1,14 | 0,94 | 0,76 | 0,59  $\alpha_w = 0,75$   
0,91 | 0,86 | 0,88 | 0,71 | 0,59  $\alpha_w = 0,75$

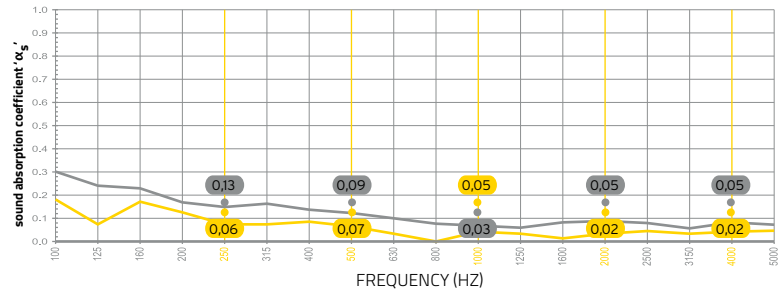




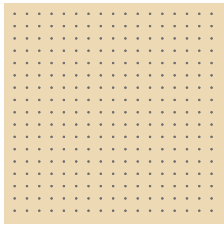
## SMOOTH



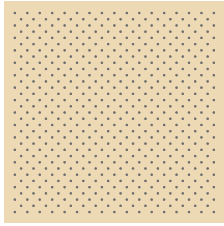
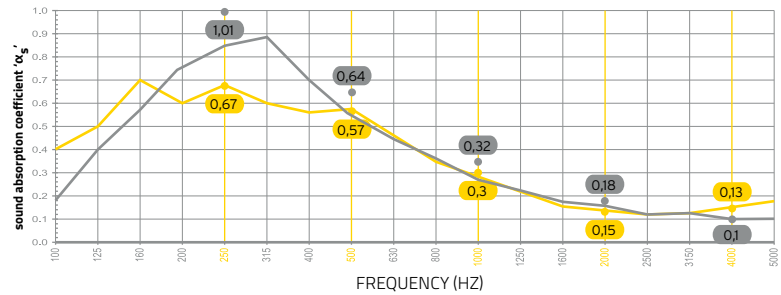
$\alpha_p$	0,13	0,09	0,03	0,05	0,05	$\alpha_w = 0,10$
	0,06	0,07	0,05	0,02	0,02	$\alpha_w = 0,05$



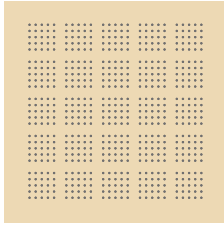
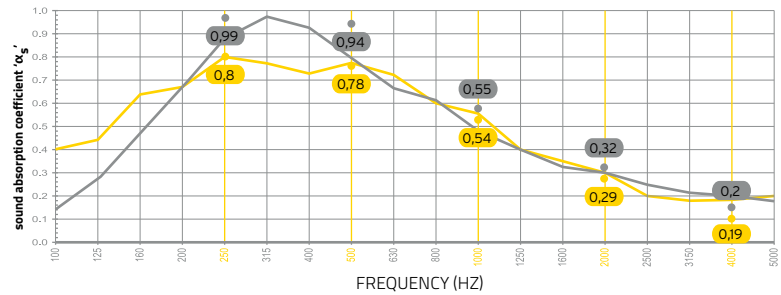
## PERFORATION



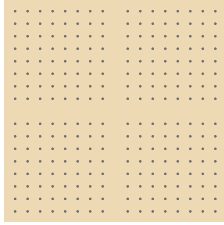
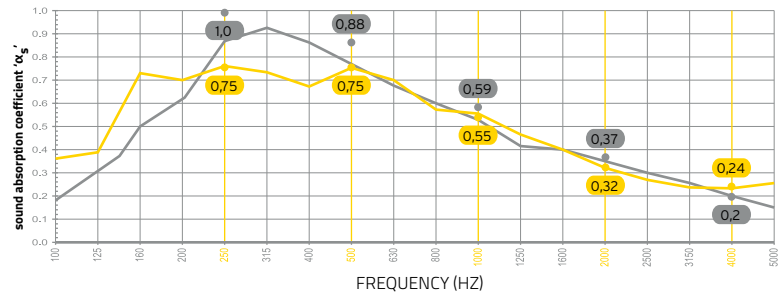
$\alpha_p$	1,01	0,64	0,32	0,18	0,1	$\alpha_w = 0,20$
	0,67	0,57	0,3	0,15	0,13	$\alpha_w = 0,25$



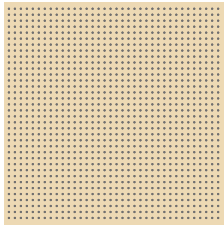
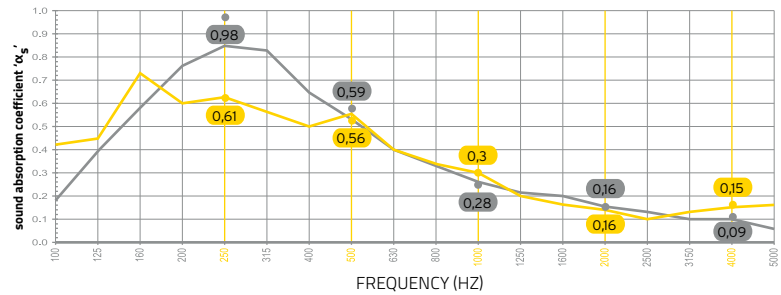
$\alpha_p$	0,99	0,94	0,55	0,32	0,2	$\alpha_w = 0,35$
	0,8	0,78	0,54	0,29	0,19	$\alpha_w = 0,35$



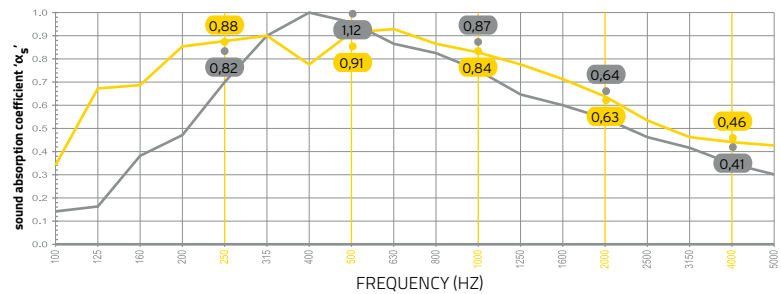
$\alpha_p$	1	0,88	0,59	0,37	0,2	$\alpha_w = 0,35$
	0,75	0,75	0,55	0,32	0,24	$\alpha_w = 0,35$



$\alpha_p$	0,98	0,59	0,28	0,16	0,09	$\alpha_w = 0,20$
	0,61	0,56	0,3	0,16	0,15	$\alpha_w = 0,25$



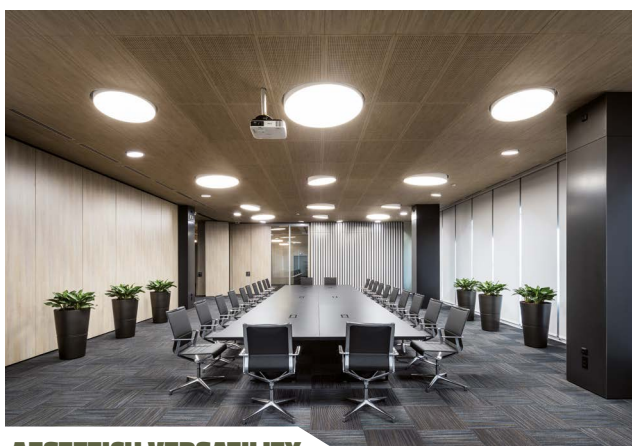
$\alpha_p$	0,82	1,12	0,87	0,64	0,41	$\alpha_w = 0,60$
	0,88	0,91	0,84	0,63	0,46	$\alpha_w = 0,65$



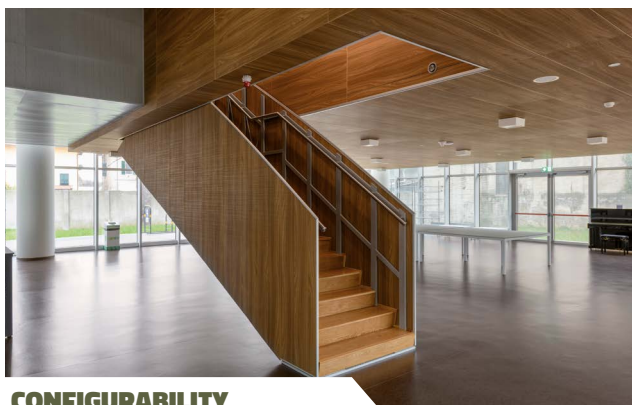
# WOOD CEILINGS & COVERINGS: technical perfection, 100% made in Italy.

Modern, welcoming workplaces, free from noise pollution, where the warmth of natural wood is complemented by stylish, clean lines. Slats and panels set new standards in style for public offices and community spaces.

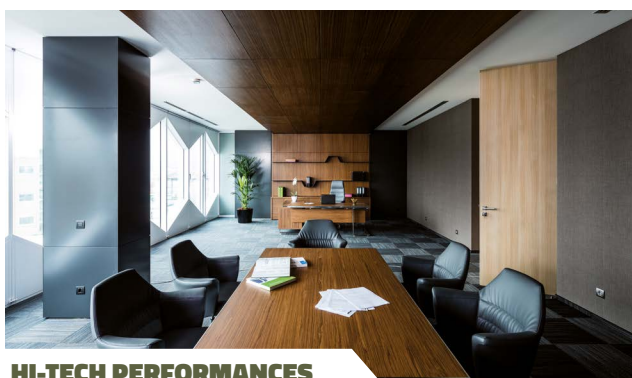
Modular elements standard or custom made, resistant, durable, easy to handle, simple and quick to install, inspected, certified, eco-friendly. They can be installed in any environment thanks to the architectural elements of great aesthetic versatility.



**AESTETICH VERSATILITY**



**CONFIGURABILITY**



**HI-TECH PERFORMANCES**

## Why

- **MODERN AESTHETICS FOR ENVIRONMENTS WITH A WELCOMING AND NATURAL ATMOSPHERE.**
- **EXCLUSIVE IN-LINE ASSEMBLY STRUCTURE: SIMPLE, QUICK TO INSTALL, WITH CUSTOMIZABLE GAP ON REQUEST.**
- **SEISMIC SAFETY.**

## Where

**AUDITORIUMS, THEATRES, AIRPORTS, CONFERENCE ROOMS, OFFICES, PUBLIC SPACES AND ALL ENVIRONMENTS THAT REQUIRE SAFETY, EFFECTIVE NOISE CONTROL AND ELEGANT INTERIOR DESIGN.**

## Benefit

- **ACHIEVING FLEXIBLE, COMFORTABLE, CONTEMPORARY AND RESPONSIBLE INTERIORS.**
- **OBTAINING POINTS FOR LEED CERTIFICATION.**
- **SOUNDPROOFED ENVIRONMENTS.**
- **SPEEDING UP CONSTRUCTION.**
- **CONTAINING COSTS OF LABOUR AND MAINTENANCE.**
- **STRUCTURES 100% INSPECTABLE.**
- **INTEGRATION WITH ADVANCED CLIMATE CONTROL, DOMOTICS AND LIGHTING.**
- **PRECISE BUDGETING.**



### FIRE REACTION

CBI Europe works hard to ensure the safety of the environments set up with its products. Research and tests allow us to obtain a constant evolution of quality. Certifications are provided on request.



### FASTNESS

Our systems are designed to guarantee rapid installation, speeding up the laying phases and respecting all the requirements of planarity and orthogonality.



### ACOUSTIC ABSORPTION

All systems are designed to offer excellent sound absorption performance, specific to the type of environment, safety and aesthetic results. Certifications are provided on request.



### LEED CERTIFICATION

All products are manufactured in certified and constantly monitored processes to guarantee the highest standards of quality and safety.



### ANTI-SEISMIC

The systems guarantee the application of all good safety practices in the construction and development of dedicated projects. Upon request, they can be supplied with an anti-seismic reports, which indicate suitable bracing.



### INTEGRATED ACCESSORIES

The system can be fitted with accessories such as lighting units, ventilation vents, smoke detectors, sprinklers and suspended signage.



### RECOMMENDATIONS FOR INSTALLATION

Slight differences in colour and shade between one panel and another are due to natural variations in the wood veneers. To obtain the most pleasing aesthetic effect, we recommend that you lay the panels out before deciding on their final arrangement. It is also good idea to order an extra number of panels to allow for future replacements, since shades, colours and grain can vary from one batch to another. All 'CBI Sound Wood Panels' must only be installed in indoor environments when the building maintained at a constant temperature.

Wood System panels should be removed from their packaging in the place of installation 48 hours before installing the ceiling or wall, so that they can assume the humidity of the environment. We recommend switching on the air conditioning in the environment at least 24 hours before starting installation. The installation environment should have temperature no lower than 15° and a relative humidity between 35% and 55% before work starts.



### HYGIENE AND MAINTENANCE

Wood System panels are easy to maintain and require no special maintenance. To clean, simply wipe with a dry cloth. Panels should not be exposed to direct sunlight: like all natural materials, wood tends to change colour when exposed to UV rays. The polyacrylate treatment of the panels tends to reduce this effect. Remember that water and humidity will damage the veneering.



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