

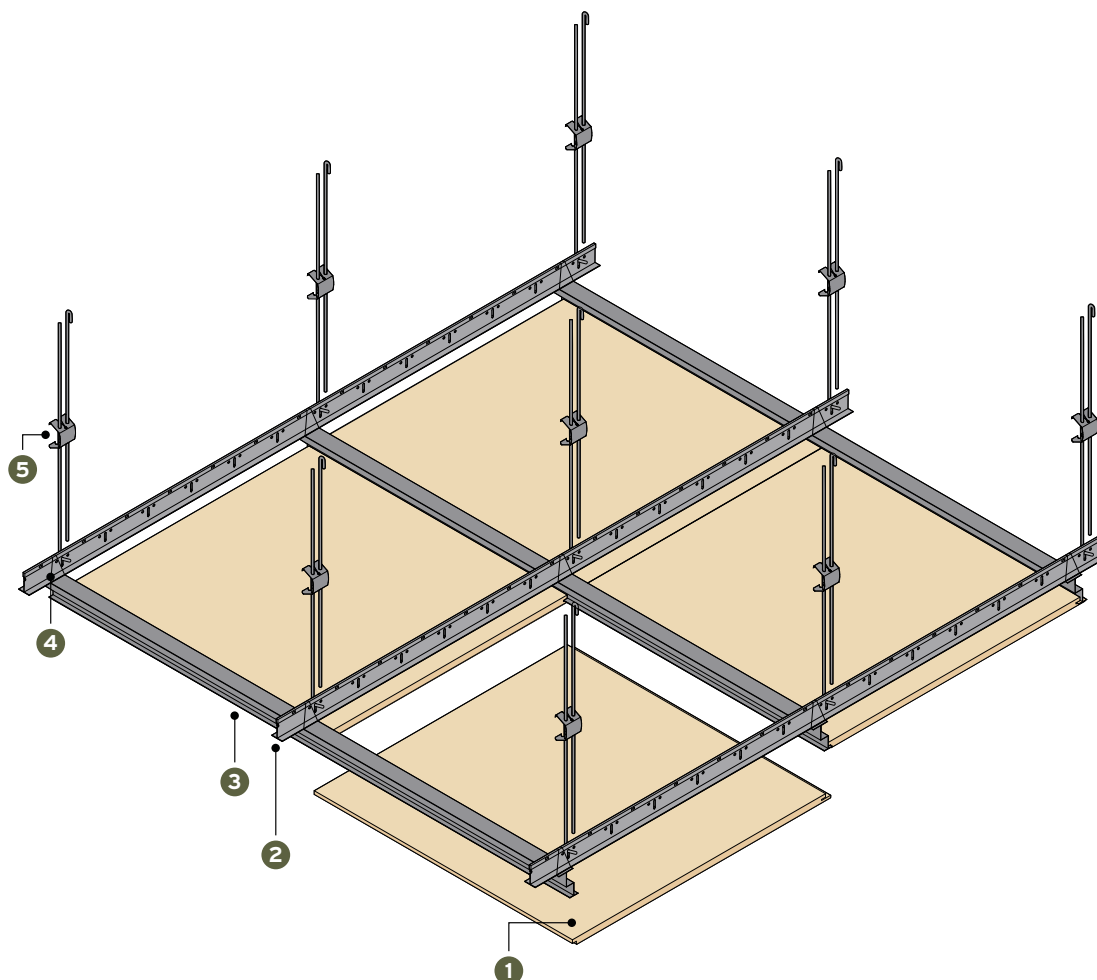
A wide-angle photograph of a modern theater interior. The ceiling is a complex, multi-layered wooden structure with a grid of small, circular perforations. Several recessed circular lights are embedded in the ceiling. The walls are dark, and the floor is a light-colored material. Rows of red upholstered seats with silver armrests are arranged in the theater. A semi-transparent dark green rectangular box is overlaid on the right side of the image, containing white text and a logo.

Wood ceilings & coverings

**SOUND WOOD
CONCEALED
200**
system

 **CBI**
EUROPE
HI-TECH INTERIORS

WOOD **CONCEALED 200** SYSTEM

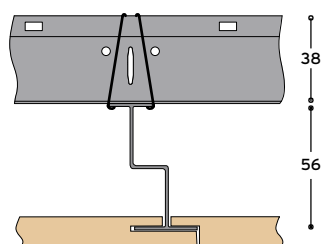


PANEL PANNELLO

dimension type
 square quadrato
 rectangular rettangolare · SOUND WOOD

GRID SYSTEM STRUTTURA

· CWI

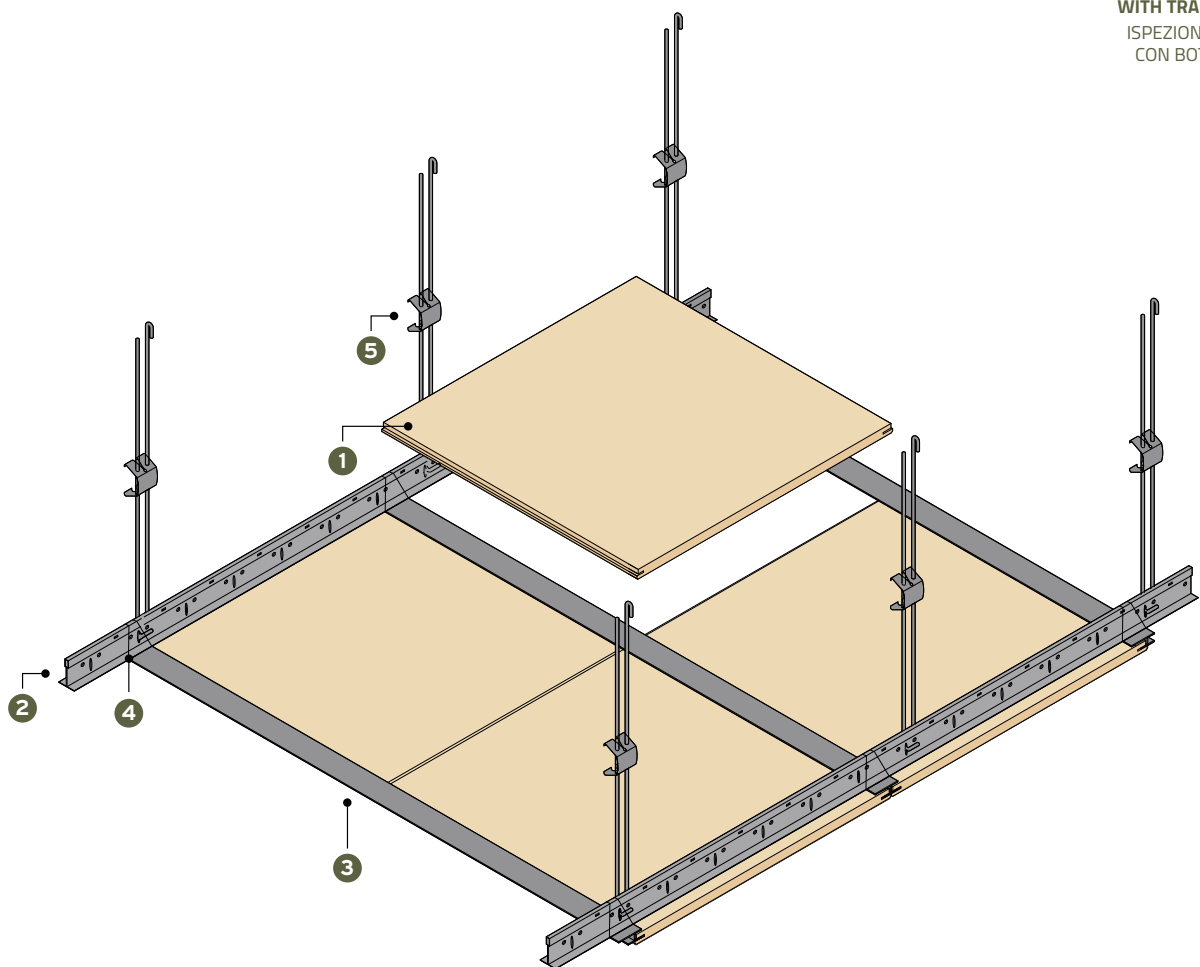


1	2	3	4	5
panel pannello 600x600 mm 600x1200 mm	P 3700 Z main runner profilo portante 24x38x3700 mm	Z 4000 W secondary profile profilo secondario 24x56x4000 mm	SP 38.1 cross connector raccordo ortogonale	SOR suspension sospensione

WOOD CONCEALED 200 SYSTEM **accessible**



INSPECTABLE
WITH TRAPDOOR
ISPEZIONABILE
CON BOTOLA

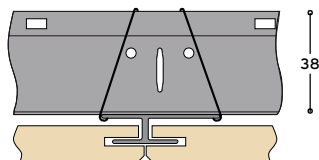


PANEL PANNELLO

dimension type
square quadrato
rectangular rettangolare · SOUND WOOD

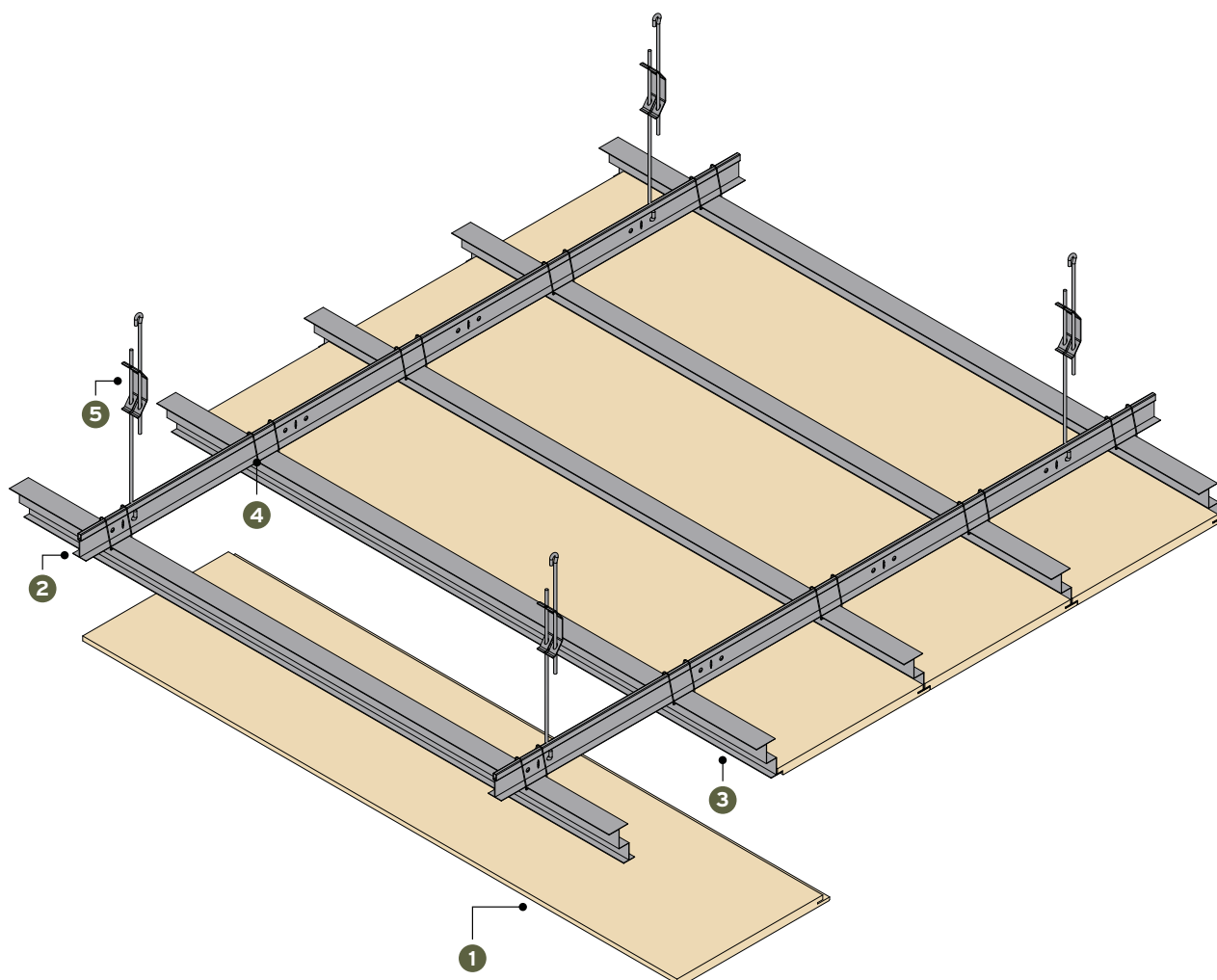
GRID SYSTEM STRUTTURA

· CWA



1	2	3	4	5
panel pannello 600x600 mm 600x1200 mm	P 3700 Z main runner profilo portante 24x38x3700 mm	PP 1001 secondary profile profilo secondario 36,5x12x4000 mm	SP 38.1 cross connector raccordo ortogonale	SOR suspension sospensione

WOOD **CONCEALED 200 CWI** SYSTEM

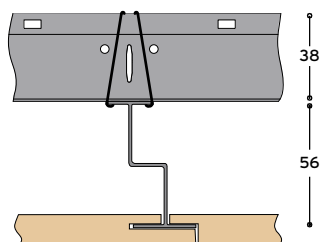


PANEL PANNELLO

dimension type
 square quadrato
 rectangular rettangolare · SOUND WOOD

GRID SYSTEM STRUTTURA

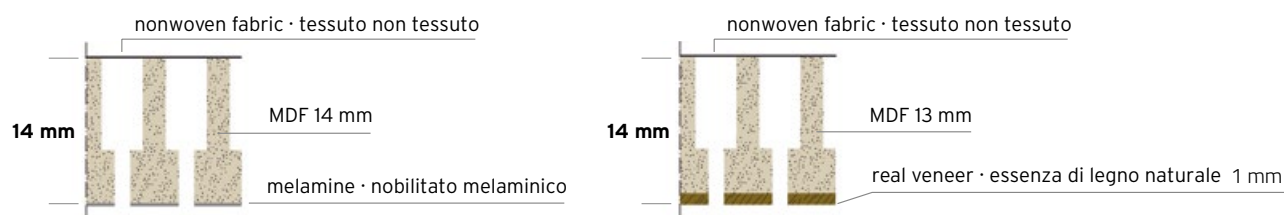
· CWI



1	2	3	4	5
panel pannello Sherwood 600x600/1200 *Soundwood 256x1792	P 3700 Z main runner profilo portante 24x38x3700 mm	Z 4000 W secondary profile profilo secondario 36,5x12x4000 mm	SP 38.1 cross connector raccordo ortogonale	SOR suspension sospensione

TYPE OF PANELS

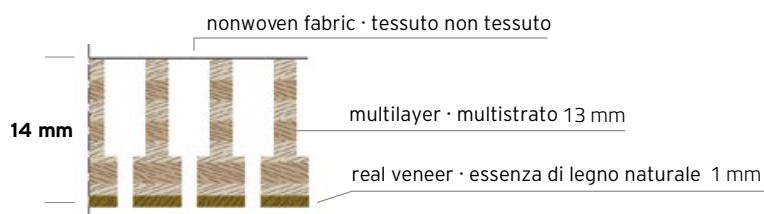
SOUND WOOD - MDF HIGH DENSITY



MDF HIGH DENSITY MDF ALTA DENSITÀ

Internal bond · Resistenza allo strappo	EN 319	0,65 / 1,1 N/mm ²
C.R.F.	EN 310	22 / 35,1 N/mm ²
M.O.E.	EN 310	2500 3180 N/mm ²
Thickness swelling 24H (max) · Rigonfiamento 24H (max)	EN 317	15,0 / 12,3 %
Surface soundness · Strappo superficiale	EN 311	1,2 / 1,8 N/mm ²
MDF Density · Densità	EN 323	780 Kg/m ³ +/- 5%
Thickness Tolerance · Tolleranza di spessore	EN 324-1	+/- 0,2 mm
Length and width tolerance · Tolleranza lunghezza e larghezza	EN 324-1	+/- 0,3 mm
Squareness · Squadro	EN 324-2	+/- 0,3 mm
Moisture content · Umidità	EN 322	4% - 11%
Grit content · Contenuto in silice	ISO 3340	< 0,05%
Formaldehyde · Formaldeide	EN 120	< 9 mg / 100 g
Fire reaction class · Classe di reazione al fuoco		B s ₂ d ₀

SOUND WOOD - MULTILAYERS

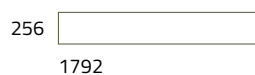
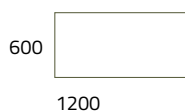


MULTILAYERS MULTISTRATO

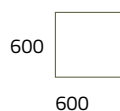
Thickness · Spessore	EN 315	15 mm
Layers · Strati	EN 315	n° 7
Mass · Massa volumica	EN 323	Kg/m ³ 410 +/- 10%
Resistance to bending · Resistenza alla flessione		
Longitudinal · Longitudinale	EN 310	25 N/mm ²
Transversal · Trasversale	EN 310	25 N/mm ²
Thermal conductivity · Conduttività termica	EN 10456	W/m K 0,12
Moisture content · Umidità	EN 322	% 8 - 12
Formaldehyde · Formaldeide		E1
Fire reaction class · Classe di reazione al fuoco		
Standard	ISO 13986	Dfl s1
On demand · A richiesta	EN 13501-1	B s ₂ d ₀

MODULARITY

rectangular

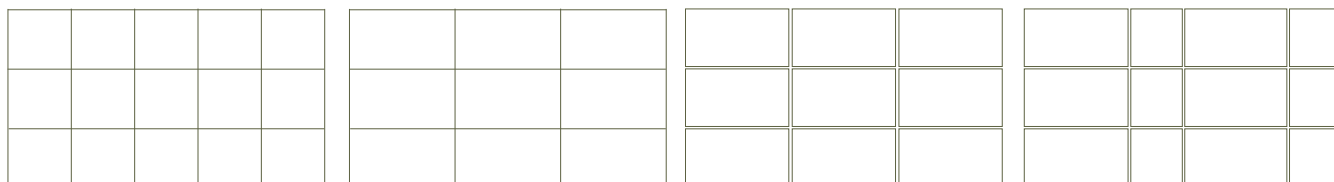


square



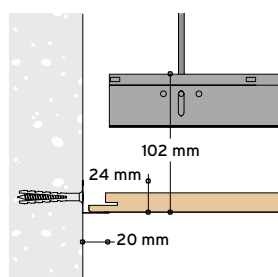
OTHER DIMENSION AVAILABLE ON REQUEST

sample compositions

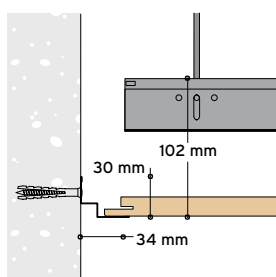


PERIMETRAL MOLDING

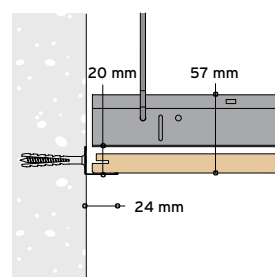
WOOD CONCEALED 200 SYSTEM



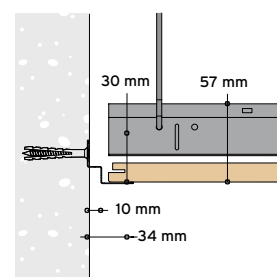
A3000
CWI



W3000
CWI



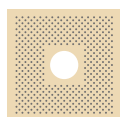
A3001
CWA



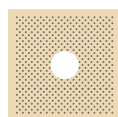
W3000
CWA

ACCESSORIES

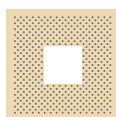
HOLES FOR LIGHTING UNITS



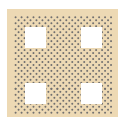
H01



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

MELAMINE

> SOUND WOOD



oak rock white



elm tafira



oak italia



oak bruges



walnut athens



white

REAL VENEER

> SOUND WOOD



maple



wengè



beech



cherry



zebrano



ash tree



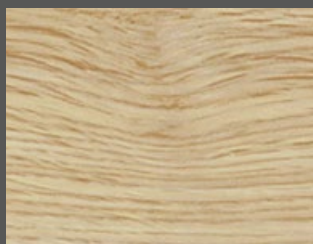
walnut 1



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.



SOUND WOOD · CEILINGS PERFORATION · ACOUSTIC ABSORPTION PANELS

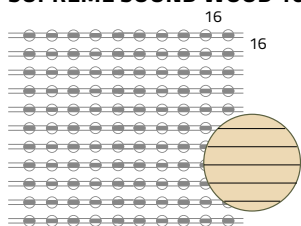


Each element incorporate a layer of sound absorbing material on the panelbacking.

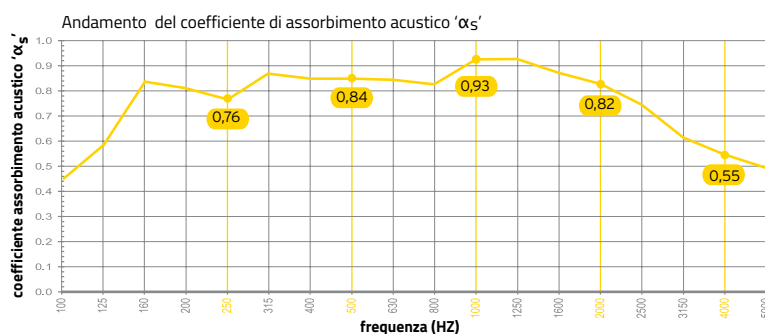
ceiling

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

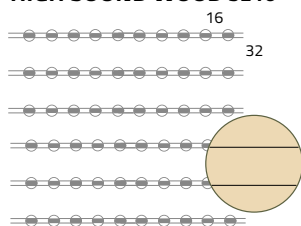
SUPREME SOUND WOOD 1616



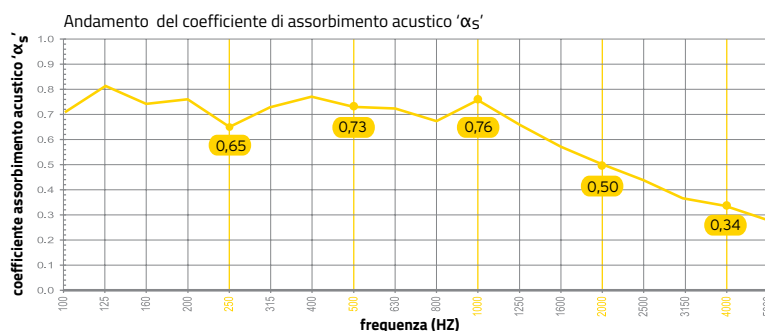
hz	250	500	1000	2000	4000	
α_p	0,80	0,85	0,90	0,80	0,55	$\alpha_w = 0,75$



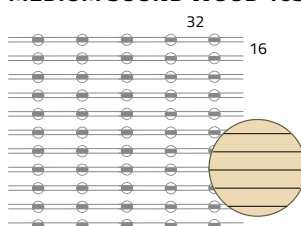
HIGH SOUND WOOD 3216



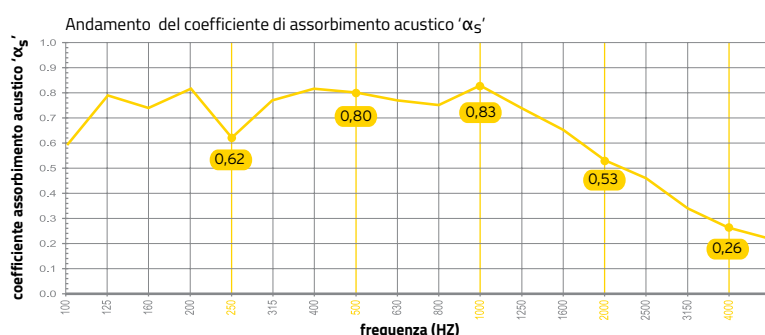
hz	250	500	1000	2000	4000	
α_p	0,70	0,75	0,70	0,50	0,35	$\alpha_w = 0,50$



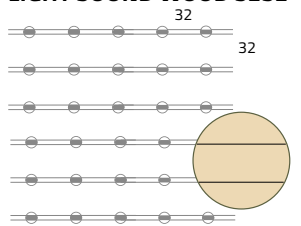
MEDIUM SOUND WOOD 1632



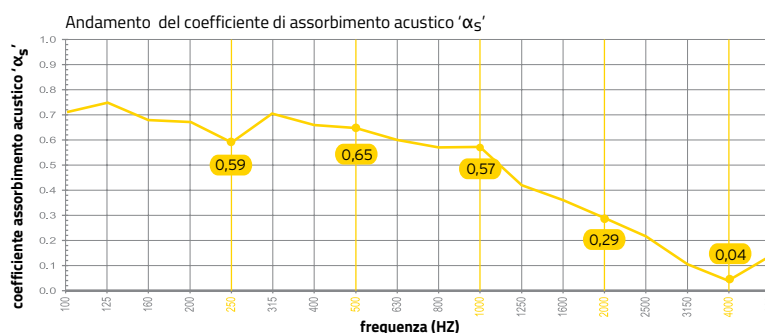
hz	250	500	1000	2000	4000	
α_p	0,75	0,80	0,75	0,55	0,25	$\alpha_w = 0,45$



LIGHT SOUND WOOD 3232



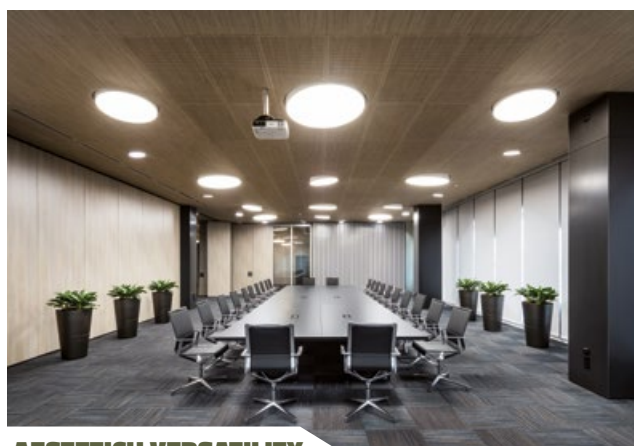
hz	250	500	1000	2000	4000	
α_p	0,65	0,65	0,50	0,30	0,10	$\alpha_w = 0,30$



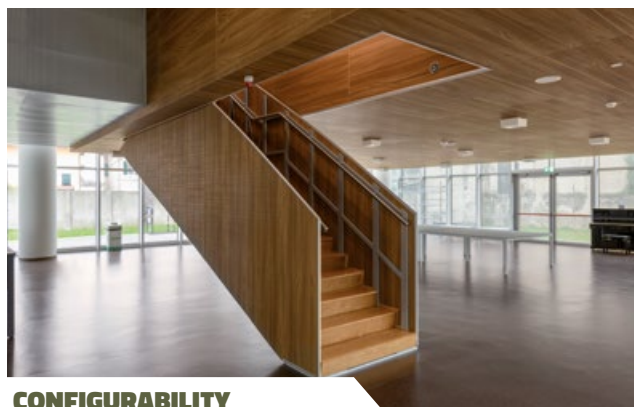
WOOD CEILINGS & COVERINGS: technical perfection, 100% made in Italy.

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.

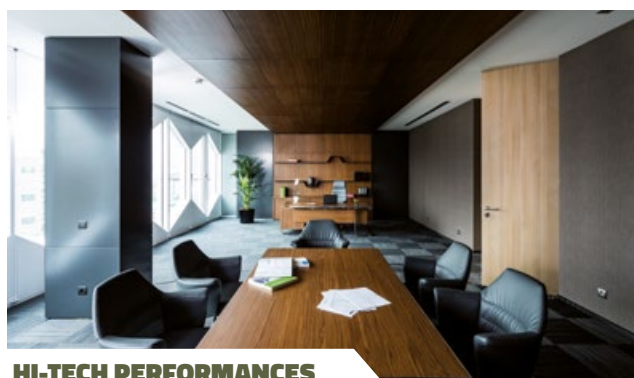
Modular elements standard or custom made, resistant, durable, easy to handle, simple and quick to install, inspected, certified, eco-friendly. They can be installed in any environment thanks to the architectural elements of great aesthetic versatility.



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.



CBI EUROPE

Via Mons. A.O. Romero, 14 · 60027 Osimo (AN) Italy
T +39 071 71 08 688 · fax +39 071 71 08 63
info@cbi-europe.com · www.cbi-europe.com

