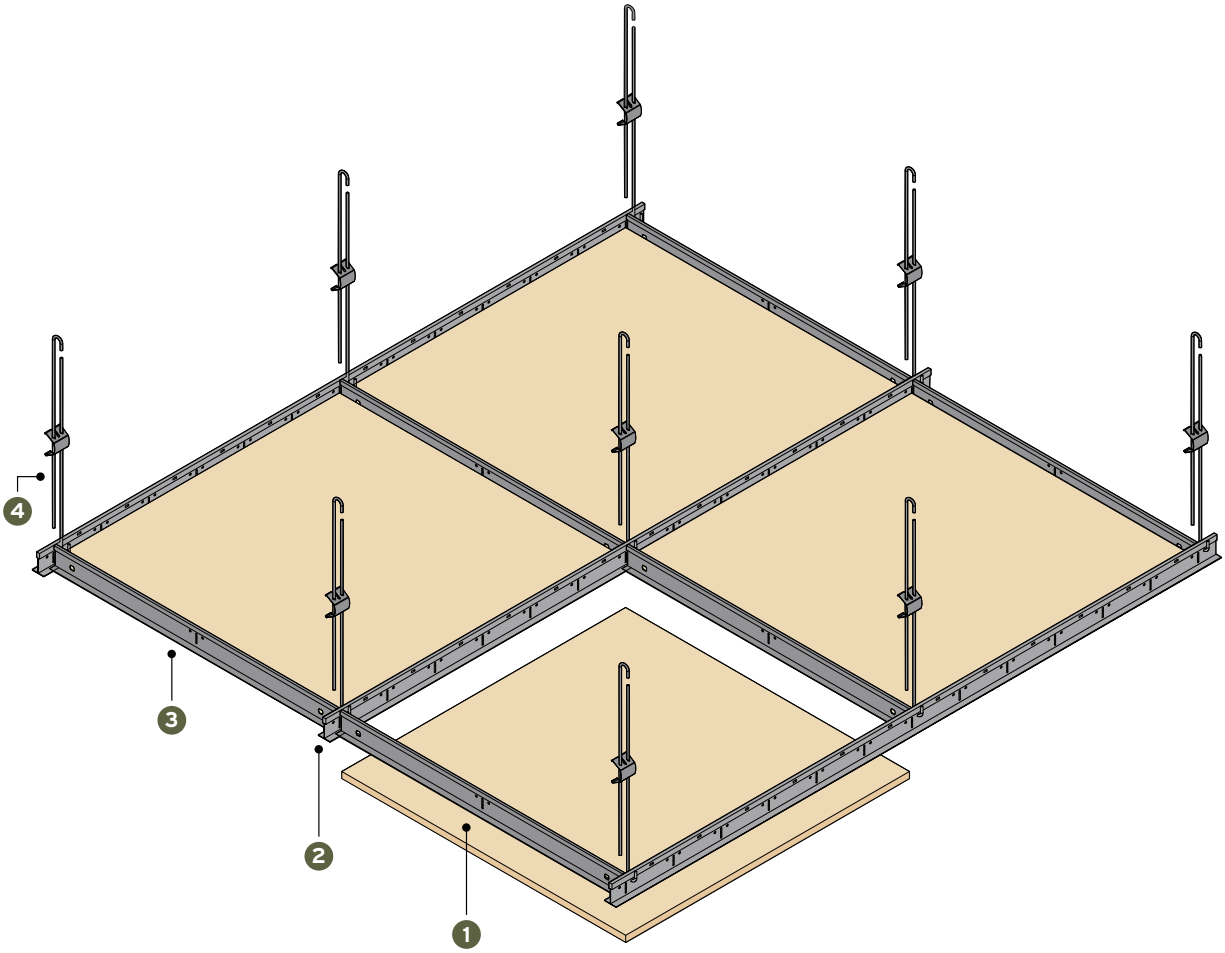


Wood ceilings & coverings

SOUND WOOD EXPO 100 system

CBI EUROPE
HI-TECH INTERIORS

WOOD **EXPO 100** SYSTEM



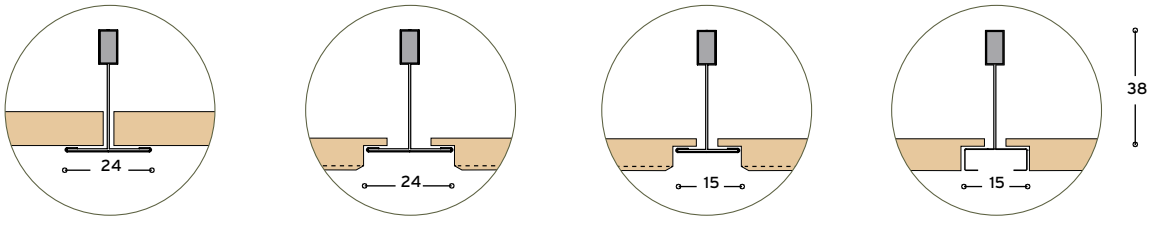
PANEL PANNELLO

dimension
square quadrato
rectangular rettangolare

type
· **SOUND WOOD**

GRID SYSTEM STRUTTURA

· CWT
· CWR
· CWN
· CWX

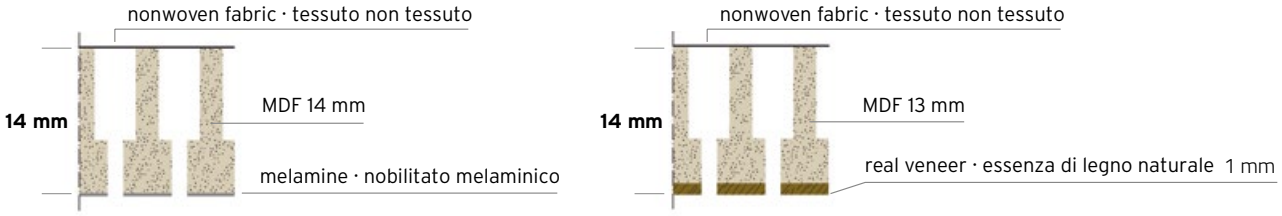


TRIM T24 > CWT | REVEAL T24 > CWR | NARROW T15 > CWN | XLINE T15 > CWX

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

TYPE OF PANELS

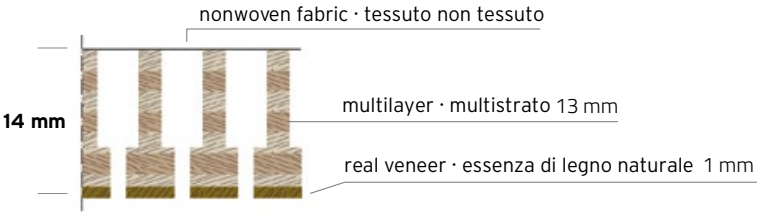
SOUND WOOD · MDF HIGH DENSITY



MDF HIGH DENSITY MDF ALTA DENSITÀ

Internal bond · Resistenza allo strappo	**EN 319**	**0,65 / 1,1 N/mm²**
C.R.F.	**EN 310**	**22 / 35,1 N/mm²**
M.O.E.	**EN 310**	**2500 3180 N/mm²**
Thickness swelling 24H (max) · Rigonfiamento 24H (max)	**EN 317**	**15,0 / 12,3 %**
Surface soundness · Strappo superficiale	**EN 311**	**1,2 / 1,8 N/mm²**
MDF Density · Densità	**EN 323**	**780 Kg/m3 +/- 5%**
Thickness Tolerance · Tolleranza di spessore	**EN 324-1**	**+/- 0,2 mm**
Lenght 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

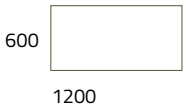


MULTILAYERS MULTISTRATO

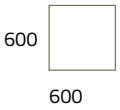
Thickness · Spessore	**EN 315**	**15 mm**
Layers · Strati	**EN 315**	**n° 7**
Mass · Massa volumica	**EN 323**	**Kg/m3 410 +/- 10%**
Resistance to bending · Resistenza alla flessione		
Longitudinal · Longitudinale	**EN 310**	**25 N/mm²**
Transversal · Trasversale	**EN 310**	**25 N/mm²**
Thermal conductivity · 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 richesta	**EN 13501-1**	**B s_2 d_0**

MODULARITY

rectangular

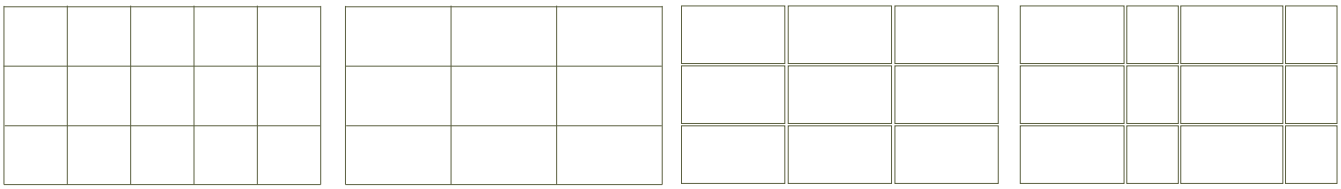


square



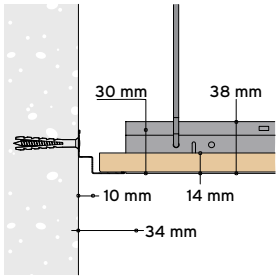
OTHER DIMENSION AVAILABLE ON REQUEST

sample compositions

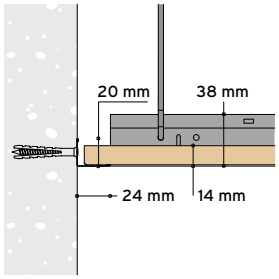


PERIMETRAL MOLDING

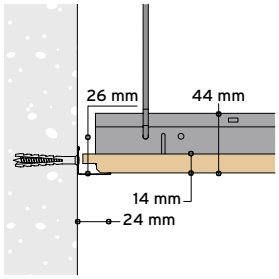
WOOD EXPO 100



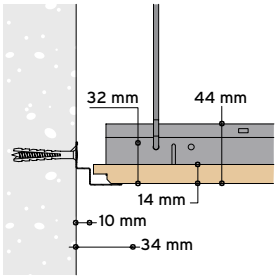
W3000
CWT



A3000
CWT



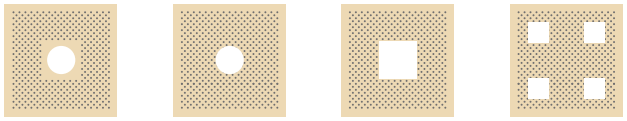
A3001
CWR · CWN



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

MELAMINE

› SOUND WOOD



oak rock white



elm tafira



oak italia



oak bruges



walnut athens



white

REAL VENEER

› SOUND WOOD



maple



wengè



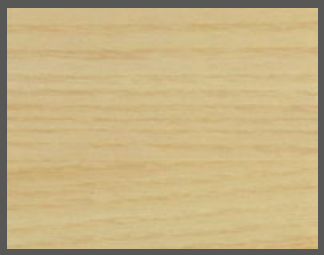
beech



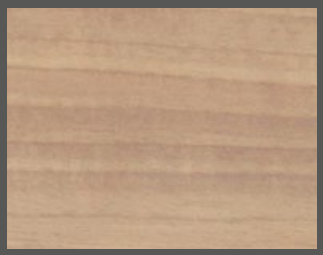
cherry



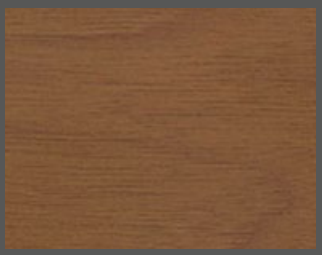
zebrano



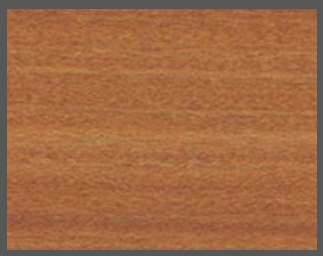
ash tree



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 requirements 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

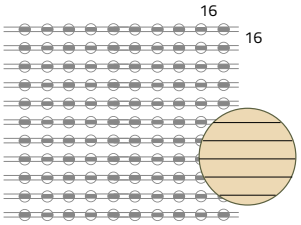


Each element incorporate a layer of sound absorbing material on the panelbacking.

ceiling

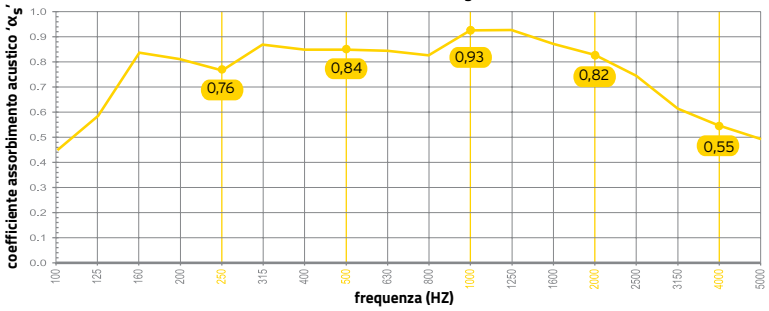
Istituto Giordano n° 196088
197140 UNI EN ISO 354: 2003

SUPREME SOUND WOOD 1616

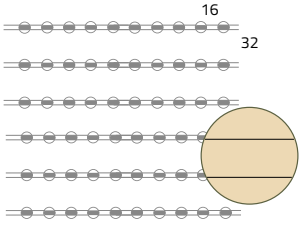


hz	250	500	1000	2000	4000	
α_p	0,80	0,85	0,90	0,80	0,55	α_w= 0,75

Andamento del coefficiente di assorbimento acustico 'α_s'

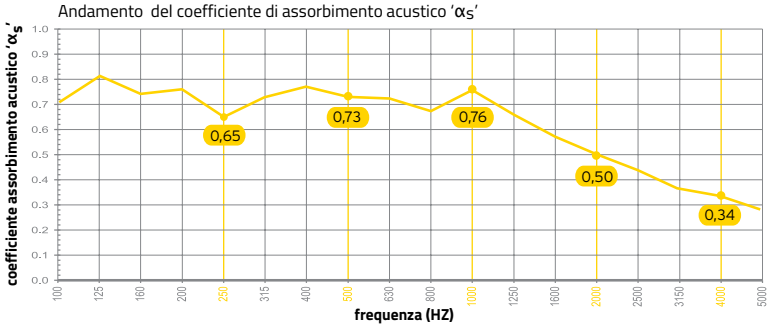


HIGH SOUND WOOD 3216

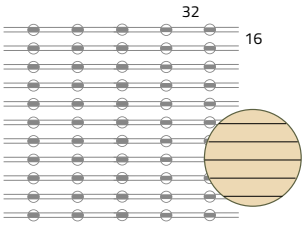


hz	250	500	1000	2000	4000	
α_p	0,70	0,75	0,70	0,50	0,35	α_w= 0,50

Andamento del coefficiente di assorbimento acustico 'α_s'

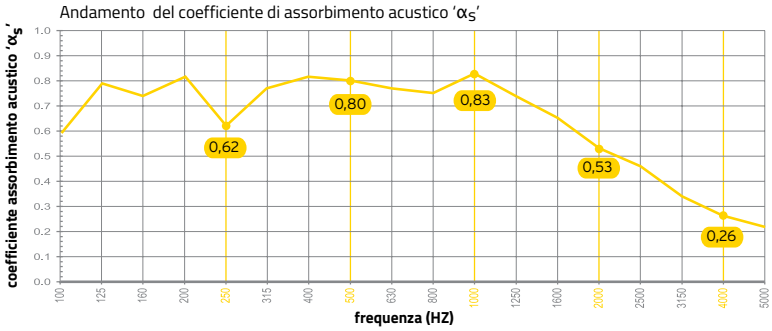


MEDIUM SOUND WOOD 1632

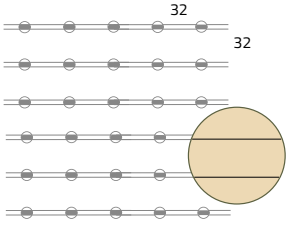


hz	250	500	1000	2000	4000	
α_p	0,75	0,80	0,75	0,55	0,25	α_w= 0,45

Andamento del coefficiente di assorbimento acustico 'α_s'

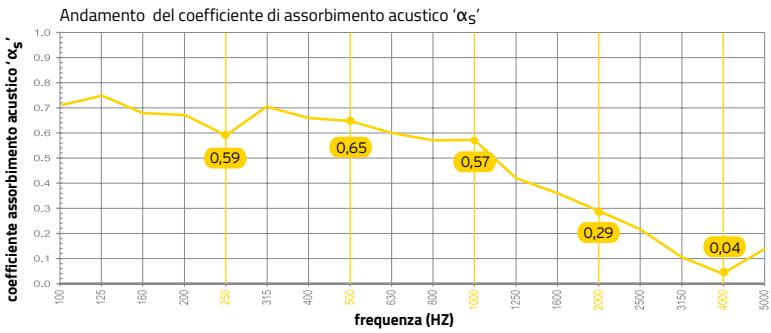


LIGHT SOUND WOOD 3232



hz	250	500	1000	2000	4000	
α_p	0,65	0,65	0,50	0,30	0,10	α_w= 0,30

Andamento del coefficiente di assorbimento acustico 'α_s'



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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