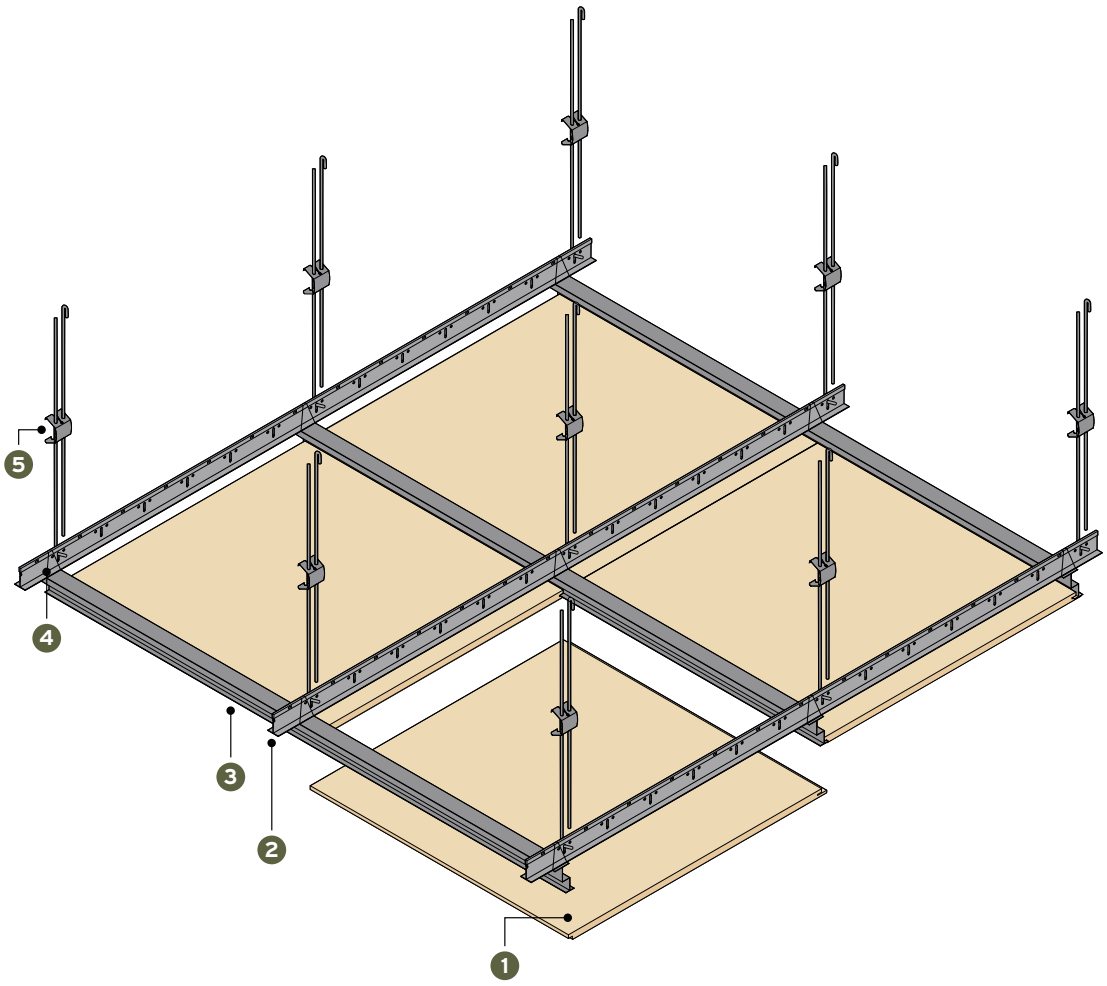
Wood ceilings & coverings

SHERWOOD CONCEALED 200 system

CBI EUROPE
HI-TECH INTERIORS

WOOD **CONCEALED 200** SYSTEM

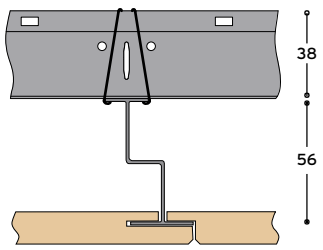


PANEL PANNELLO

dimension	type
square quadrato **rectangular** rettangolare	· SHERWOOD MELAMINE · SHERWOOD REAL VENEER

GRID SYSTEM STRUTTURA

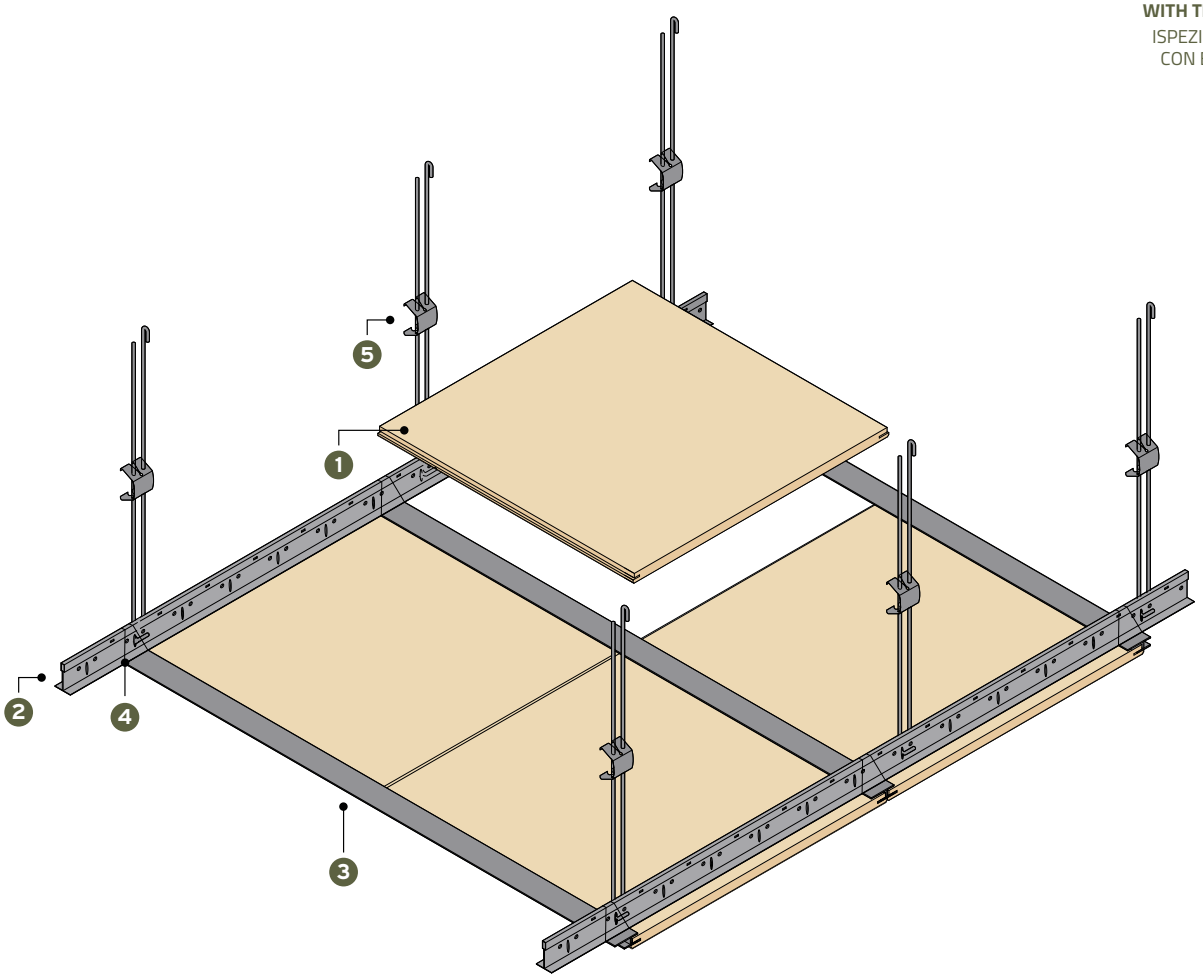
· CWI



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

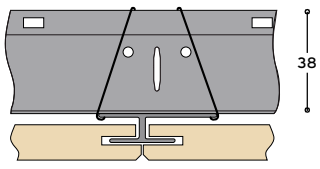


PANEL PANNELLO

dimension	type
square quadrato **rectangular** rettangolare	· **SHERWOOD MELAMINE** · **SHERWOOD REAL VENEER**

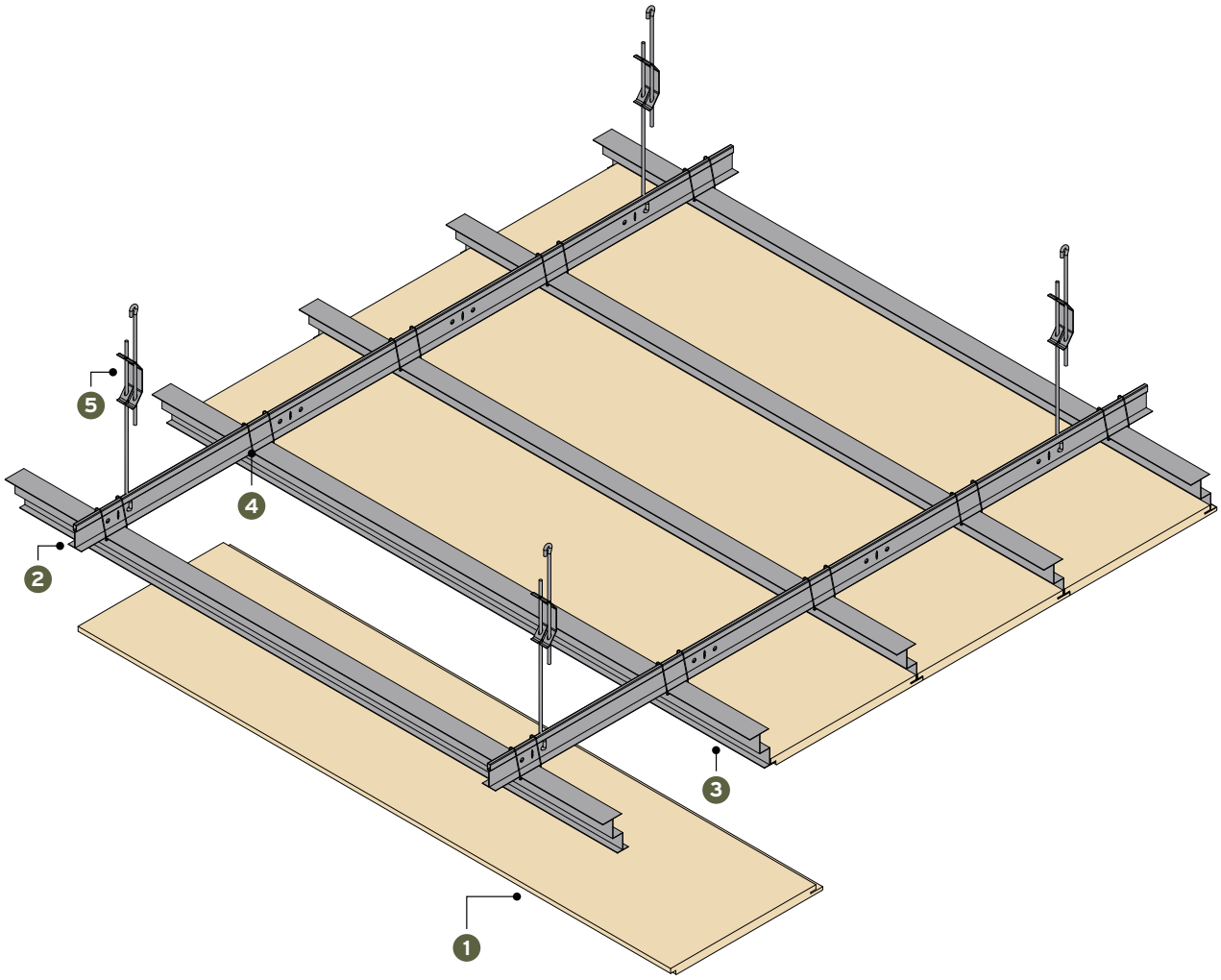
GRID SYSTEM STRUTTURA

· **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

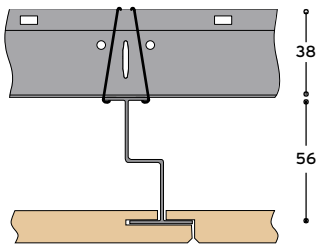


PANEL PANNELLO

dimension	type
square quadrato	· SHERWOOD MELAMINE
rectangular rettangolare	· SHERWOOD REAL VENEER

GRID SYSTEM STRUTTURA

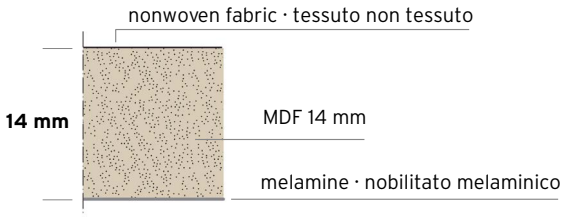
· CWI

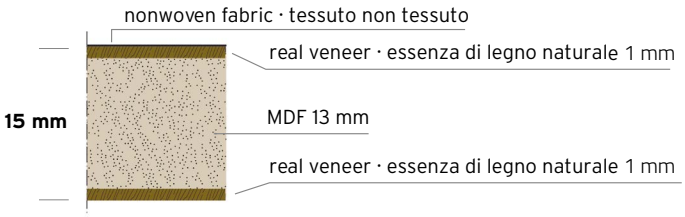


1	2	3	4	5
panel pannello **Sherwood** **600x600/1200** ***Soundwood** **256x1792**	**P 3700 Z** **main runner** profilo portante **24x38x3700 mm**	**PP 1001** **secondary profile** profilo secondario **36,5x12x4000 mm**	**SP 38.1** **cross connector** raccordo ortogonale	**SOR** **suspension** sospensione

TYPE OF PANELS

SHERWOOD · MDF HIGH DENSITY

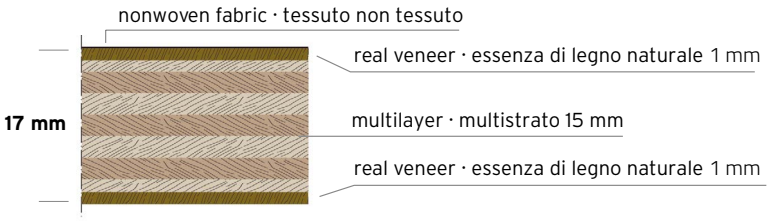




MDF HIGH DENSITY

Internal bond · Resistenza allo strappo	**EN 319**	**0,65 / 1,1 N/mm²**
M.O.E.	**EN 310**	**2500 3180 N/mm²**
Surface soundness · Strappo superficiale	**EN 311**	**1,2 / 1,8 N/mm²**
Thickness Tolerance · Tolleranza di spessore	**EN 324-1**	**+/- 0,2 mm**
Squareness · Squadro	**EN 324-2**	**+/- 0,3 mm**
Grit content · Contenuto in silice	**ISO 3340**	**< 0,05%**
Fire reaction class · Classe di reazione al fuoco		**B s_2 d_0**

SHERWOOD · MULTILAYERS

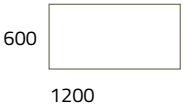


MULTILAYERS

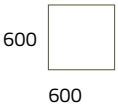
Thickness · Spessore	**EN 315**	**15 mm**
Layers · Strati	**EN 315**	**n° 7**
Mass · Massa volumica	**EN 323**	**Kg/m3 410 +/- 10%**
Resistance to bending · Resistenza alla flessione		
Longitudinal · Longitudinale	**EN 310**	**25 N/mm²**
Transversal · Trasversale	**EN 310**	**25 N/mm²**
Thermal conductivity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

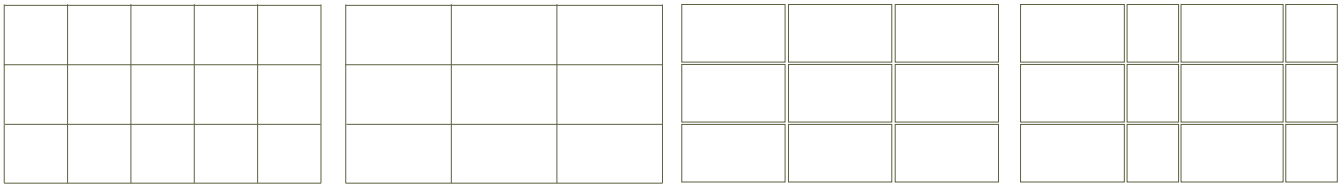


square



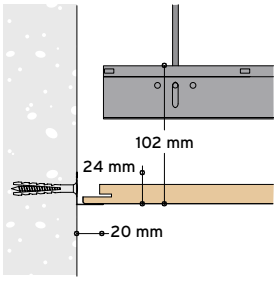
OTHER DIMENSION AVAILABLE ON REQUEST

sample compositions

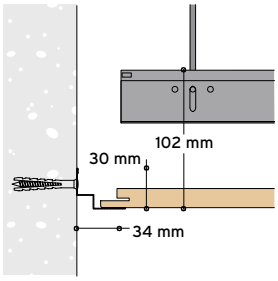


PERIMETRAL MOLDING

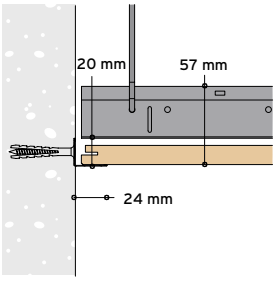
WOOD CONCEALED 200 SYSTEM



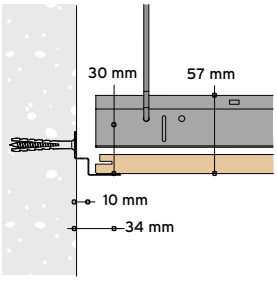
A3000
CWI



W3000
CWI



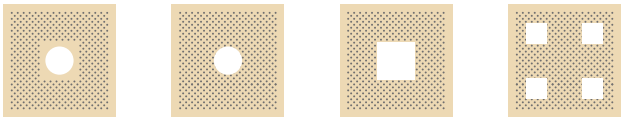
A3001
CWA



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

› SHERWOOD

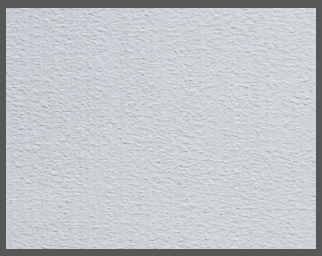
oak rock white

elm tafira

ash tree supremo

oak bruges

walnut athens



white

REAL VENEER

› SHERWOOD

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.

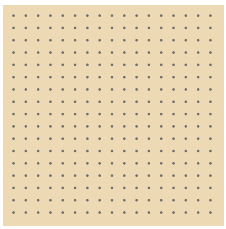
PERFORATION

ACOUSTIC ABSORPTION

no perforation
perforation
perforation
slots

ABC = SHERWOOD PANELS

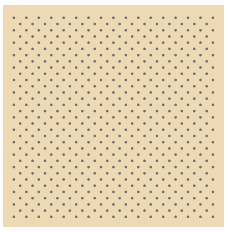
F00



F01

Ø 6 = 2.27 %
Ø 8 = 4.03 %

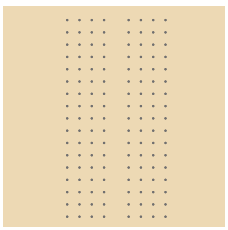
: 289



F02

Ø 6 = 4.28 %
Ø 8 = 7.61 %

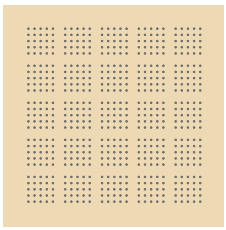
: 545



F03

Ø 6 = 1.07 %
Ø 8 = 1.90 %

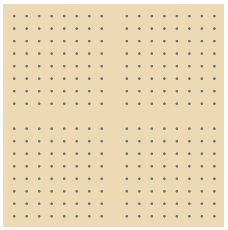
: 136



F04

Ø 6 = 4.28 %
Ø 8 = 7.61 %

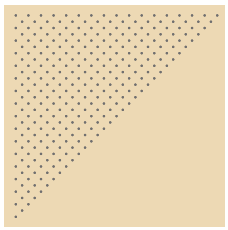
: 545



F05

Ø 6 = 2.01 %
Ø 8 = 3.57 %

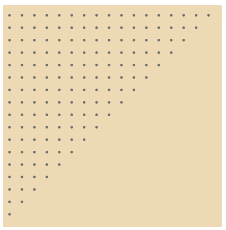
: 256



F06

Ø 6 = 1.20 %
Ø 8 = 2.14 %

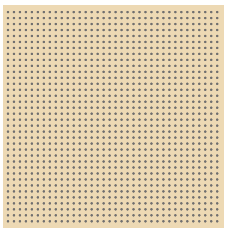
: 153



F07

Ø 6 = 2.27 %
Ø 8 = 4.03 %

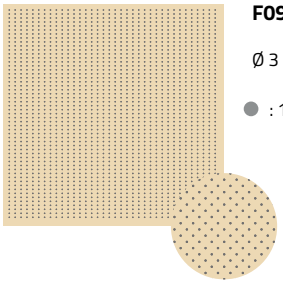
: 289



F08

Ø 6 = 10.17 %
Ø 8 = 18.09 %

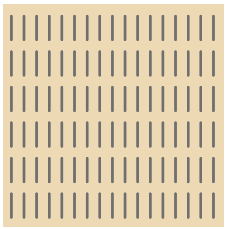
: 1296



F09

Ø 3 = 2.55 %

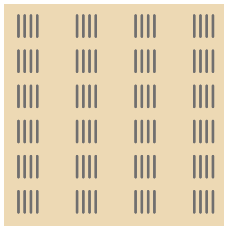
: 1296



A01

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

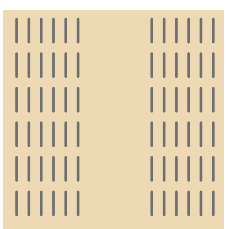
: 102



A02

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

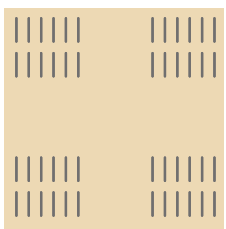
: 96



A03

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

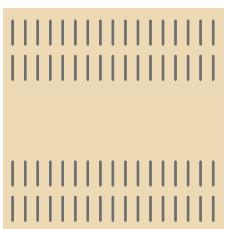
: 96



A04

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

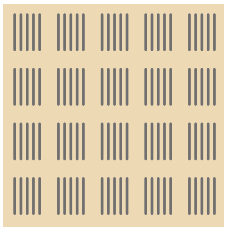
: 48



A05

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

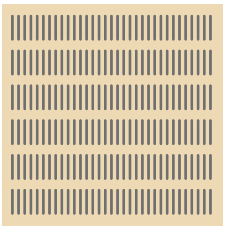
: 68



A06

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

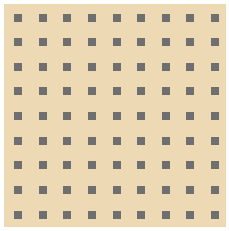
: 100



A07

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

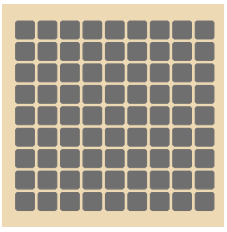
: 198



A08

20x20 mm = 9.00 %

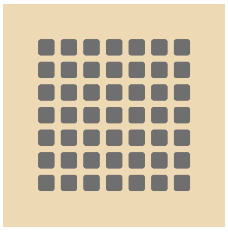
: 81



A09

50x50 mm =
56.25 %

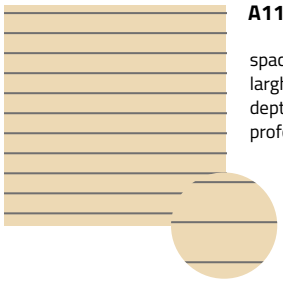
: 100



A010

40x40 mm = 21.77 %

: 198



A11

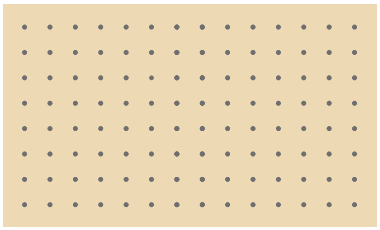
spacing
larghezza 3 mm
depth
profondità 2 mm

30 mm

ABC = SHERWOOD

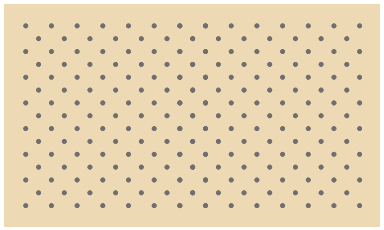
F00

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



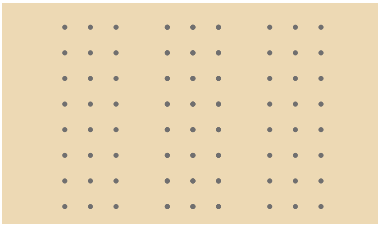
F01

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



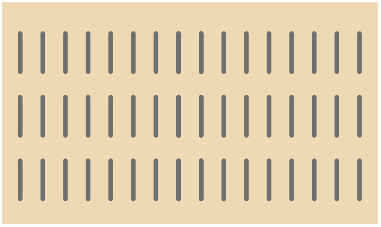
F02

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



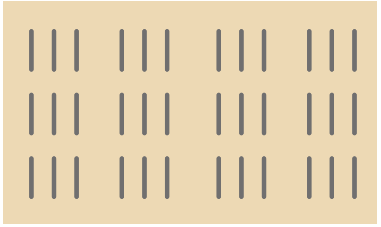
F03

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



A01

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



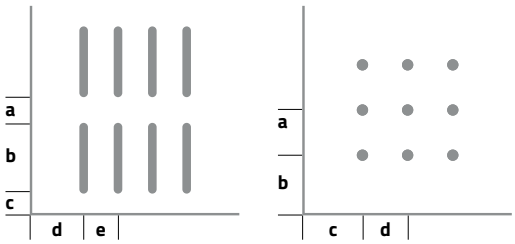
A02

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

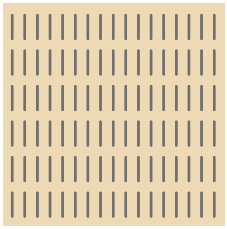
ACOUSTIC ABSORPTION PANELS

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

ceiling
covering



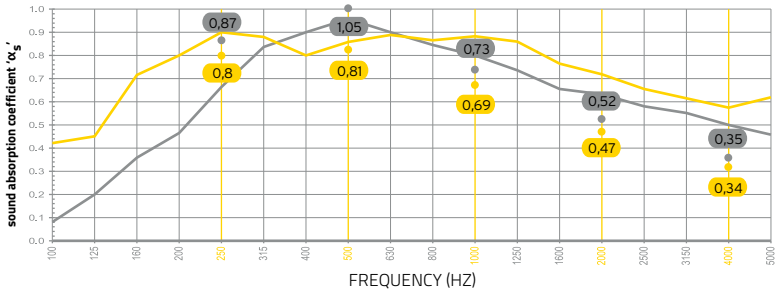
SLOTS

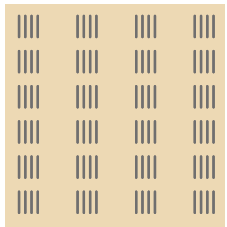


a = 32 mm
b = 58 mm
c = 46 mm
d = 44 mm
e = 32 mm

Ø 6 = 1.07 %
Ø 8 = 1.90 %

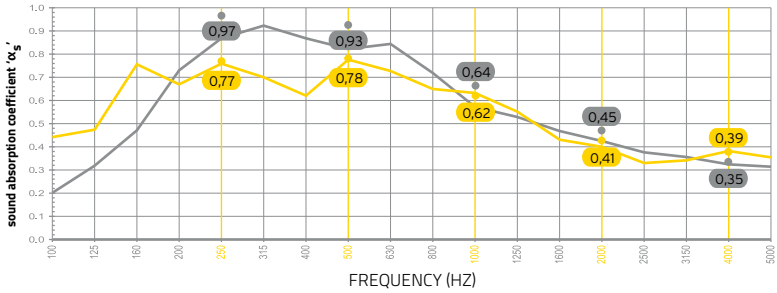
α_p	0,87	1,05	0,73	0,52	0,35	α_w= 0,50
	0,8	0,81	0,69	0,47	0,34	α_w= 0,50

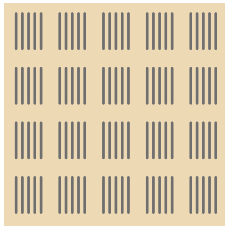




a = 38 mm
b = 52 mm
c = 49 mm
d = 51 mm
e = 16 mm

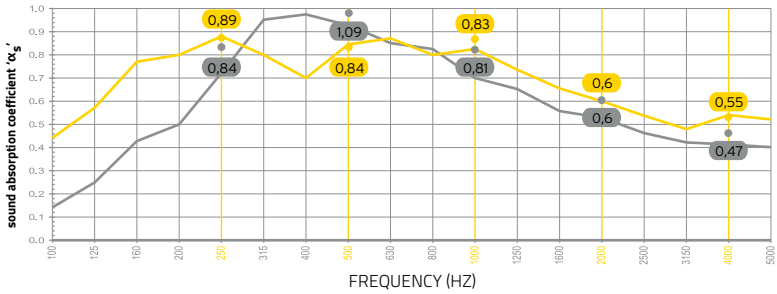
α_p	0,97	0,93	0,64	0,45	0,35	α_w= 0,50
	0,77	0,78	0,62	0,41	0,39	α_w= 0,45

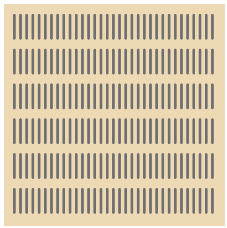




a = 52 mm
b = 88 mm
c = 46 mm
d = 44 mm
e = 16 mm

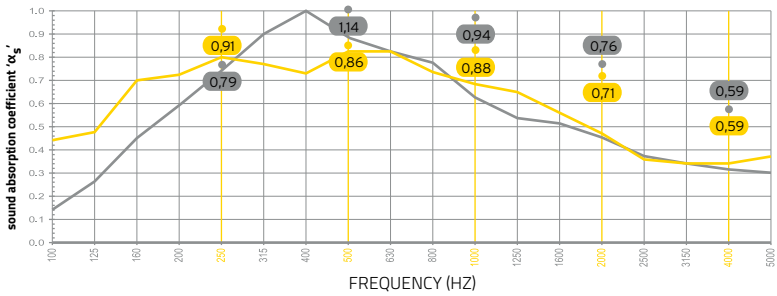
α_p	0,84	1,09	0,81	0,6	0,47	α_w= 0,60
	0,89	0,84	0,83	0,6	0,55	α_w= 050





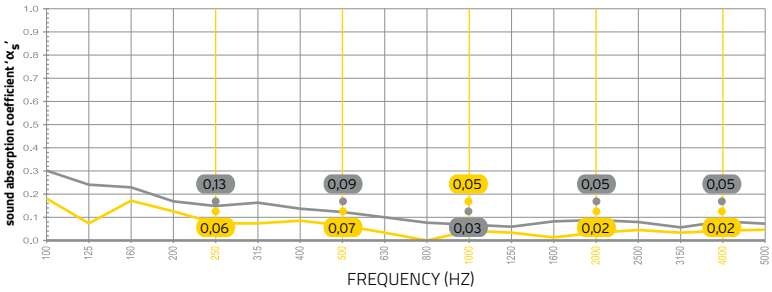
a = 32 mm
b = 58 mm
c = 46 mm
d = 44 mm
e = 16 mm

α_p	0,79	1,14	0,94	0,76	0,59	α_w= 0,75
	0,91	0,86	0,88	0,71	0,59	α_w= 0,75

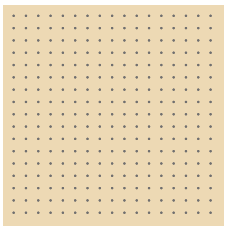


SMOOTH

α_p	0,13	0,09	0,03	0,05	0,05	α_w= 0,10
	0,06	0,07	0,05	0,02	0,02	α_w= 0,05

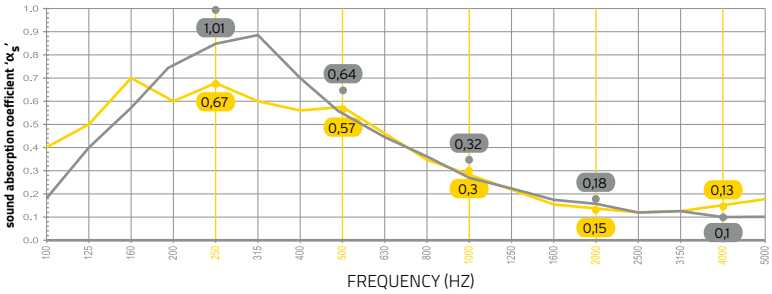


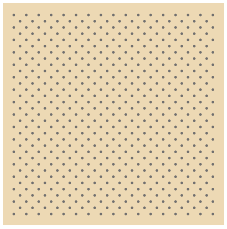
PERFORATION



a = 32 mm
b = 44 mm
c = 44 mm
d = 32 mm

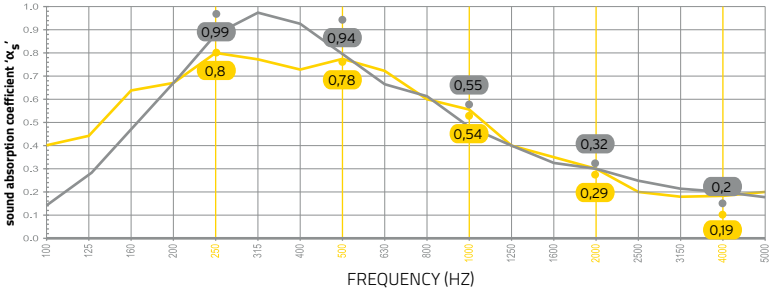
α_p	1,01	0,64	0,32	0,18	0,1	α_w= 0,20
	0,67	0,57	0,3	0,15	0,13	α_w= 0,25

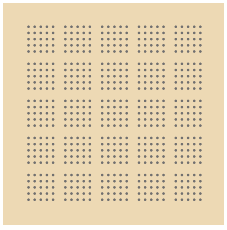




a = 16 mm
b = 44 mm
c = 44 mm
d = 16 mm

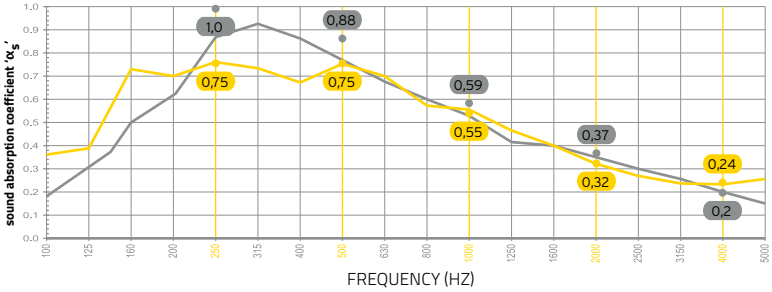
α_p	0,99	0,94	0,55	0,32	0,2	α_w= 0,35
	0,8	0,78	0,54	0,29	0,19	α_w= 0,35

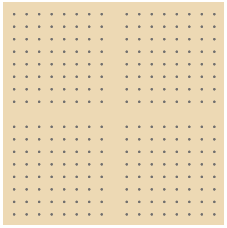




a = 16 mm
b = 76 mm
c = 76 mm
d = 16 mm

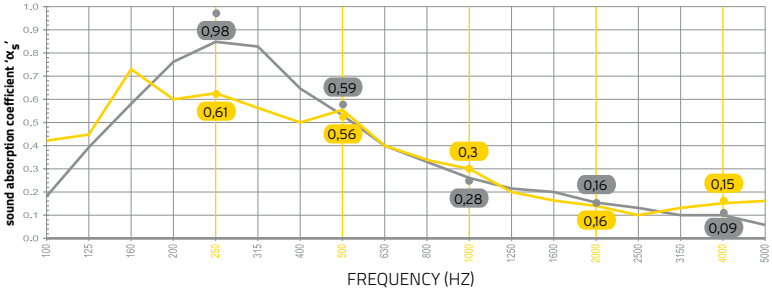
α_p	1	0,88	0,59	0,37	0,2	α_w= 0,35
	0,75	0,75	0,55	0,32	0,24	α_w= 0,35

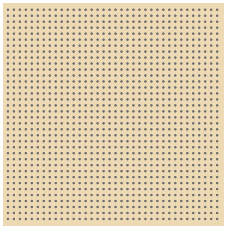




a = 32 mm
b = 44 mm
c = 44 mm
d = 32 mm

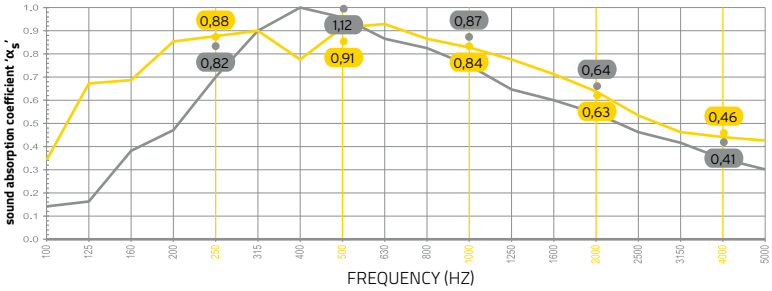
α_p	0,98	0,59	0,28	0,16	0,09	α_w= 0,20
	0,61	0,56	0,3	0,16	0,15	α_w= 0,25





a = 16 mm
b = 17,5 mm
c = 17,5 mm
d = 16 mm

α_p	0,82	1,12	0,87	0,64	0,41	α_w= 0,60
	0,88	0,91	0,84	0,63	0,46	α_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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