Metal ceilings

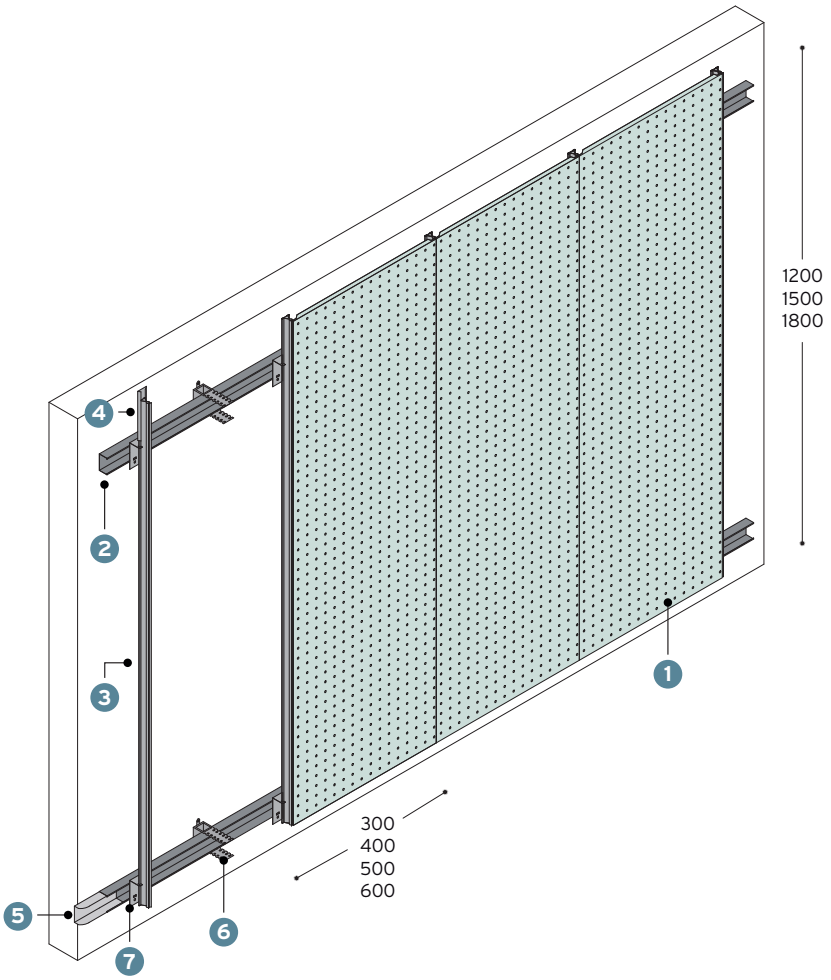
COVERINGS MKV - MKH system

CBI EUROPE
HI-TECH INTERIORS

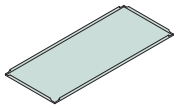
vertical **MKV METAL COVERING** SYSTEM

100%

RECTANGULAR
STANDARD



PANEL PANNELLO

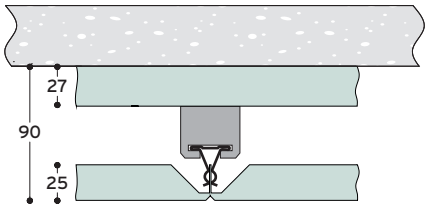


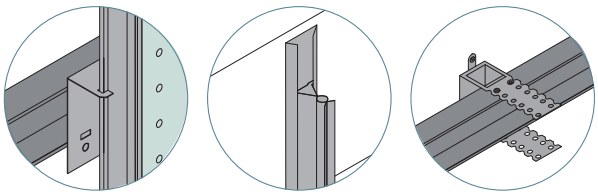
prepainted/powder coated steel panel
prepainted aluminium panel
pannello in acciaio preverniciato/postverniciato
pannello in alluminio preverniciato

size dimensioni	**thickness** spessore
300 x 1200 / 1500 / 1800 mm	steel 6/10 alu 8/10
400 x 1200 / 1500 / 1800 mm	steel 8/10 - 10/10 alu 8/10 - 10/10
500 x 1200 / 1500 / 1800 mm	steel 8/10 - 10/10 alu 10/10
600 x 1200 / 1500 / 1800 mm	steel 8/10 - 10/10 alu 10/10

GRID SYSTEM STRUTTURA

- **CONCEALED GRID CLIPPING SYSTEM**
- ORDITURA NASCOSTA A CLIPPAGGIO





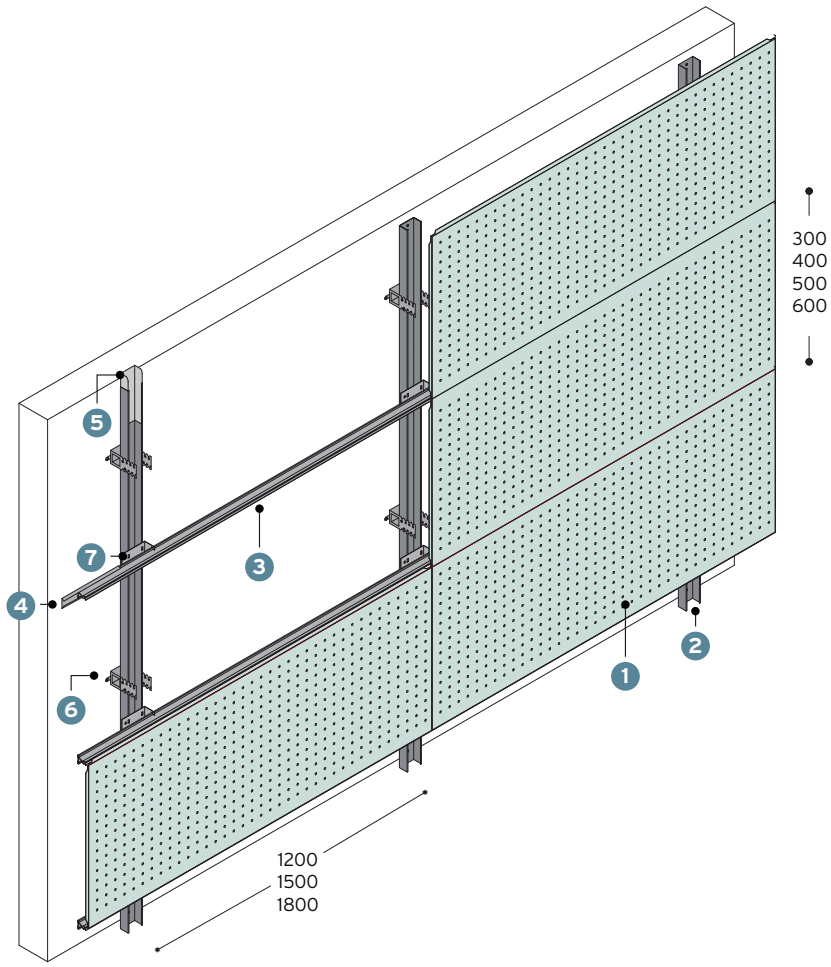
1	2	3	4
panel pannello	**P 27/50** primary profile profilo primario 27/50/27 mm 1.00 ml/mq	**PT 200** main runner profilo portante L 4000 mm	**GPT** cross connector **for profile PT200** raccordo per profilo PT200 L 250 mm

5	6	7
GL/4 linear joint for P27/50 giunto lineare per P27/50	**CSU0050** adjustable (profile) staffa regolabile per P27/50	**AS600/1** hanger bracket for PT600 attacco di sospensione per PT600

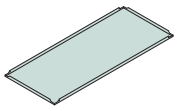
horizontal **MKH METAL COVERING** SYSTEM

100%

RECTANGULAR
STANDARD



PANEL PANNELLO

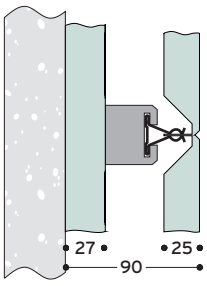


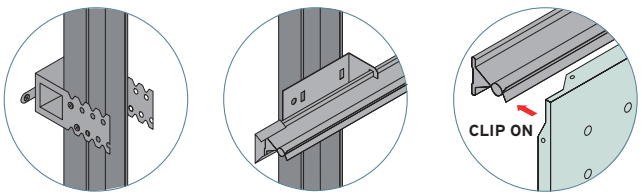
prepainted/powder coated steel panel
prepainted aluminium panel
pannello in acciaio preverniciato/postverniciato
pannello in alluminio preverniciato

size dimensioni	**thickness** spessore
300 x 1200 / 1500 / 1800 mm	steel 6/10 - 7/10 alu 8/10
400 x 1200 / 1500 / 1800 mm	steel 8/10 - 10/10 alu 8/10 - 10/10
500 x 1200 / 1500 / 1800 mm	steel 8/10 - 10/10 alu 10/10
600 x 1200 / 1500 / 1800 mm	steel 8/10 - 10/10 alu 10/10

GRID SYSTEM STRUTTURA

- **CONCEALED GRID CLIPPING SYSTEM**
- ORDITURA NASCOSTA A CLIPPAGGIO





1
panel
pannello

2
P 27/50 primary profile
profilo primario
27/50/27 mm
1.00 ml/mq

3
PT 200 main runner
profilo portante
L 4000 mm

4
GPT cross connector
for profile PT200
raccordo per profilo PT200
L 250 mm

5
GL/4 linear joint for P27/50
giunto lineare per P27/50

6
CSU0050 adjustable (profile)
staffa regolabile per P27/50

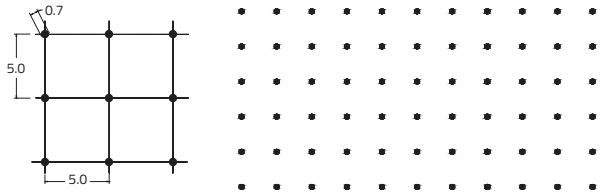
7
AS600/1 hanger bracket for PT600
attacco di sospensione per PT600

METAL TILES *PLAFONI METALLICI*
PERFORATION PANELS *FORATURE PANNELLI*
standard width larghezza standard **< 600 mm**

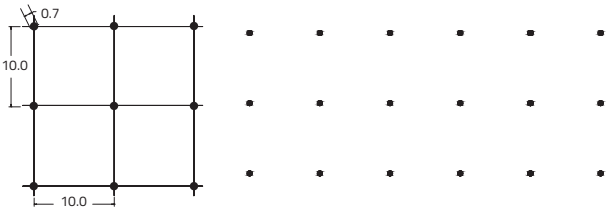
perforation foratura

MICRO PERFORATION *MICRO FORATURE*

AP0/1
Ø 0.7 mm = 1,70% - parallel pitch ▪ *passo parallelo* 5 mm

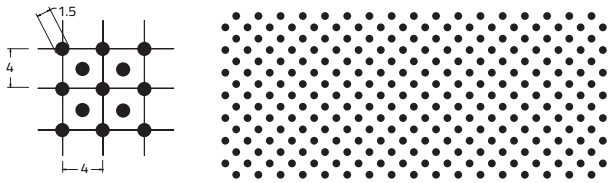


AP0/2
Ø 0.7 mm = 0,46% - parallel pitch ▪ *passo parallelo* 10 mm

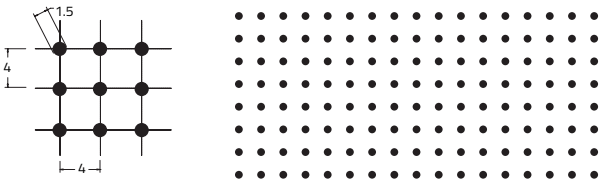


STANDARD PERFORATIONS *FORATURE STANDARD*

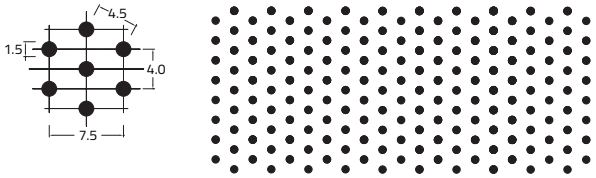
AP1/0
Ø 1.5 mm = 22,1% - diagonal pitch ▪ *passo diagonale* 4 mm



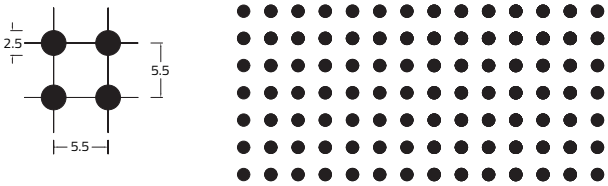
AP1/2
Ø 1.5 mm = 11% - parallel pitch ▪ *passo parallelo* 4 mm



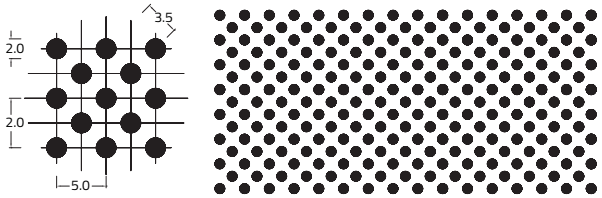
AP1
Ø 1.5 mm = 12% - diagonal pitch ▪ *passo diagonale* 4.5 mm



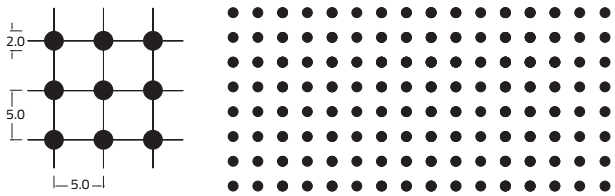
AP2
Ø 2.5 mm = 16% - parallel pitch ▪ *passo parallelo* 5.5 mm



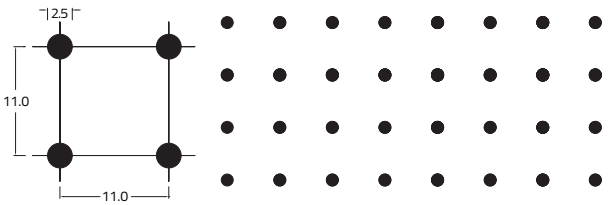
AP3
Ø 2.0 mm = 25% - diagonal pitch ▪ *passo diagonale* 3.5 mm



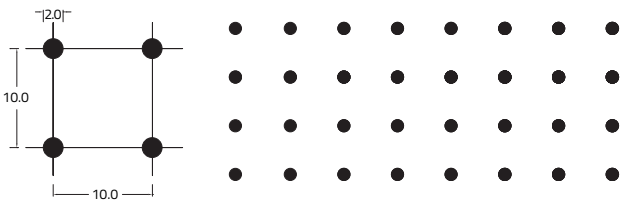
AP4
Ø 2.0 mm = 12.5% - parallel pitch ▪ *passo parallelo* 5 mm



AP5
Ø 2.5 mm = 4% - parallel pitch ▪ *passo parallelo* 11 mm

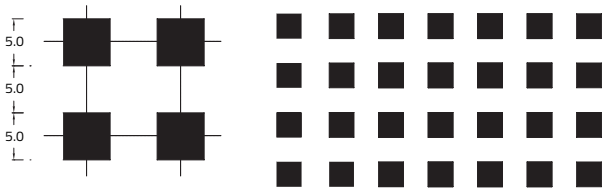


AP6
Ø 2.0 mm = 3% - parallel pitch ▪ *passo parallelo* 10 mm



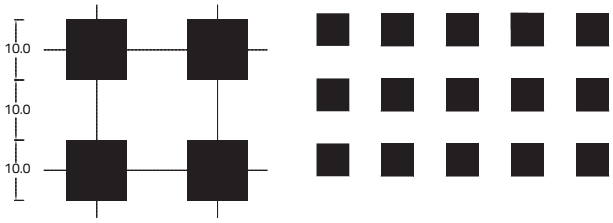
APQ

5 x 5 mm = 25% - parallel pitch ▪ passo parallelo 5 mm



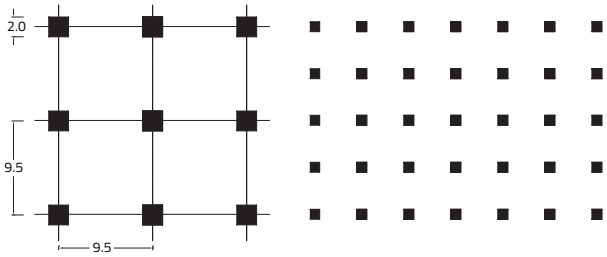
APQ1

10 x 10 mm = 25% - parallel pitch ▪ passo parallelo 10 mm



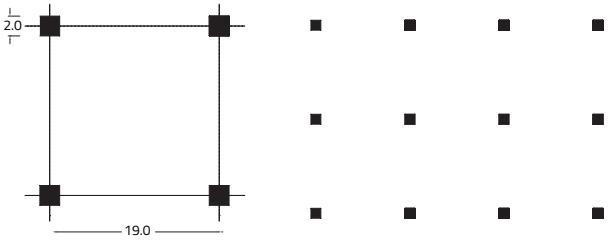
APQ2

2 x 2 mm = 4.5% - parallel pitch ▪ passo parallelo 9.5 mm



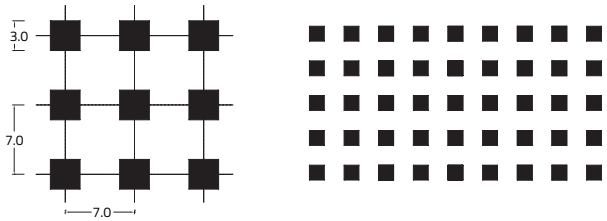
APQ3

2 x 2 mm = 1.1% - parallel pitch ▪ passo parallelo 19 mm



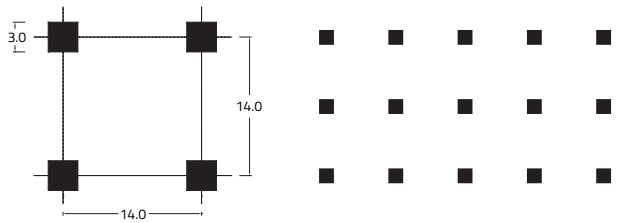
APQ4

3 x 3 mm = 19% - parallel pitch ▪ passo parallelo 7 mm



APQ5

3 x 3 mm = 9.5% - parallel pitch ▪ passo parallelo 14 mm

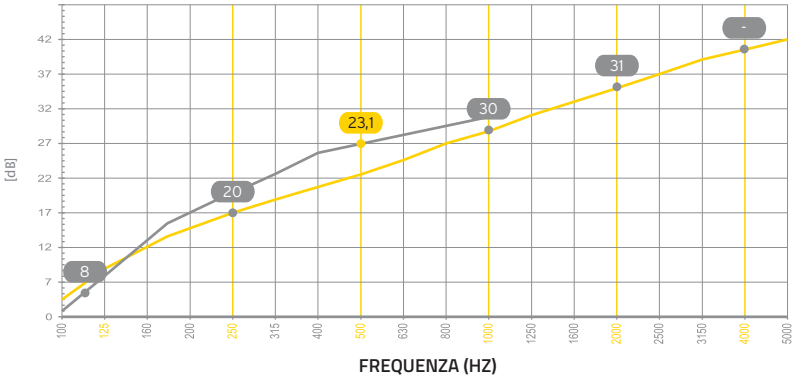


ACOUSTIC ABSORPTION PANELS

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

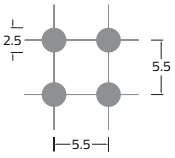
PLAIN NOT PERFORATED

HZ	100	250	500	1000	2000	4000
RI[DB]	9,8	17,3	23,1	29,1	35,0	40,8
RIFERIMENTO [DB]	8	20	27	30	31	-

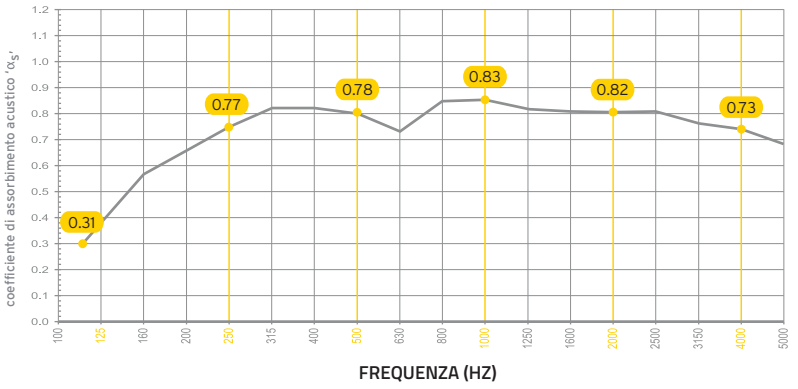


AP2
PERFORATION

hole ø 2.5 mm
perforated area 16%
block fire-prof non-wovens 60 gr/m²

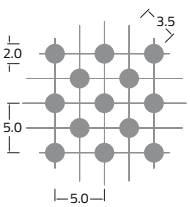


αs 0.31 | 0.77 | 0.78 | 0.83 | 0.82 | 0.73 **α_w = 0.85**

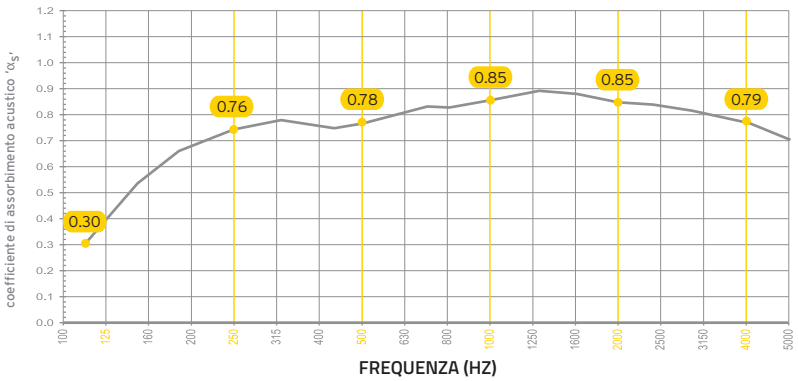


AP3
PERFORATION

hole ø 2.0 mm
perforated area 25%
block fire-prof non-wovens 60 gr/m²



αs 0.30 | 0.76 | 0.78 | 0.85 | 0.85 | 0.79 **α_w = 0.85**



COLOURS RANGE

STEEL / ALUMINIUM

POWDER COATED

white

RAL 9006
silver

RAL 7024
dark grey

RAL 9005
black

satin-finish aluminium

ALL RAL COLOURS

WOOD

SL57
whitened oak

SL56
cherry tree

SL252
winchester

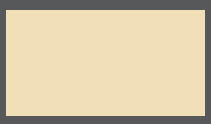
SL02
light oak

6869
farm maple

SL28
teak

SL39
dark oak

ALUMINIUM / MAT



RAL 1015
ivory

RAL 1001
beige

RAL 1021
cadmio yellow

RAL 1007
chrome yellow

RAL 2004
orange

RAL 3002
carmine red

navy blue

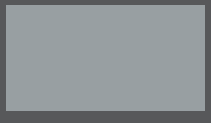
RAL 5017
blue

RAL 6018
pea green

RAL 6029
mint colour

RAL 8014
brown

ALUMINIUM / BRIGHT



aisi steel
310

brass yellow
330

gold
260

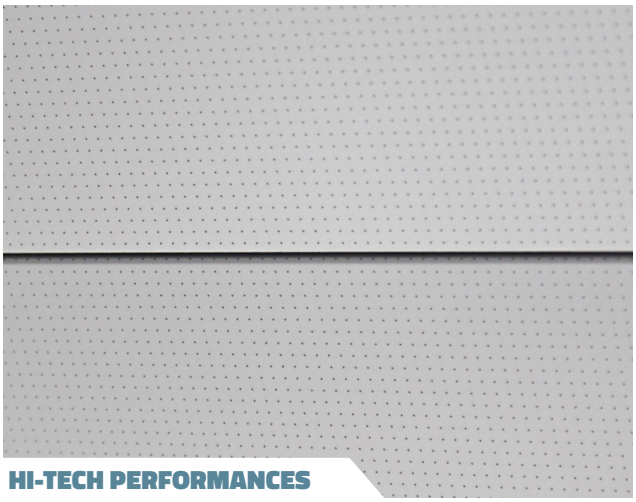
The range of colours shown on this page is purely indicative, and we recommended that you request the samples. For other colours, please ask about the availability in stock.

For further details, refer to the bundle of RAL colours and CBI 's exclusive colours bundle, or contact the technical department at CBI Europe.

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

CBI Europe's Metal Ceilings and Coverings systems are made up of modular elements (panels, strips or grilles) and suspended by steel support structures.
Elements are **standard or custom made**, resistant, durable, easy to handle, simple and quick to install, inspected, certified, eco-friendly and designed for new generation interiors, thanks to the architectural elements of great aesthetic versatility.

AESTETICH VERSATILITY



HI-TECH PERFORMANCES

Why

VERSATILE, FUNCTIONAL, LONG LASTING AND EASY TO INSTALL: A PERFECT COMBINATION OF TECHNOLOGY AND DESIGN THAT GUARANTEES HYGIENE AND STRENGTH.

Where

LARGE PUBLIC SPACES - HALLS, SHOPPING CENTRES, AIRPORTS, BANKS, OFFICES, CORRIDORS, STERILE ENVIRONMENTS, THEATRES, CANTEENS, HOSPITALS - OUTDOORS AND INDOORS.

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

Including versions incorporating sound-absorbing non-woven fabric, are non-flammable according to the Italian Ministerial Decree of the 15th march 2005, and therefore conform to Euroclass A1 fire reaction requirements (only for not perforated panels).

HYGIENE

Easy to wash and sterilise, non-toxic, humidity resistant, and are ideal for use in kitchens, canteens, hospitals and schools.
On request, they can also be suppliedin a special fungicidal and bactericidal paint finish: tests carried out under ISO 22196 ensure the reduction of the microbial population > 95% after 24 hours. They also provide valuable protection against dust in industries producing delicate electronic circuits.

HUMIDITY RESISTANCE

Maintain their dimensional stability even under extreme ambient conditions, and can therefore be installed in environments characterised by high levels of relative humidity and large variations in temperature.
For outdoor installations, please contact CBI Europe's Technical Department.

PAINTWORK

Suspended ceilings in pre-painted aluminium and hot-galvanised and pre-painted FeP02 steel are coil-coated with primer and polyester paint to a thickness of 25 microns.
Suspended ceilings in electro-galvanised and post-painted FeP02 steel are electrostatically coated with resin based, thermosetting, polyester powder paints to a thickness of 60 microns.

LIGHT REFLECTANCE

All metal suspended ceilings finished in white and unperforated > 85% have a standard gloss level of 20.

INTEGRATED ACCESSORIES

All metal suspended ceilings can be fitted with accessories such as lighting units, ventilation vents, smoke detectors, sprinklers and suspended signage

FASTNESS

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

ACOUSTIC ABSORPTION

Ceilings and coverings combine acoustic performance, comfort and aesthetics with adequate absorption values. Upon request they can be supplied with certifications issued by independent companies.

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.

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