



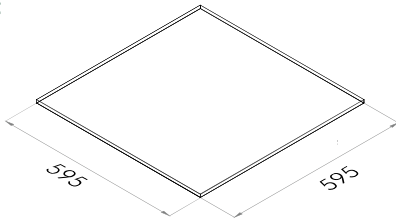
*Give life to your project*

## Panel C e C120

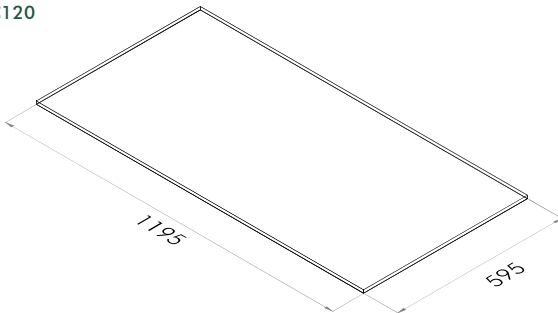


**PANEL C - C120** **Main features**

PANEL C



PANEL C120

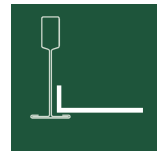


Type lay in

Structure T24  
T15



T24



T15

**Technical specifications**

**Panel module**



PANEL C:  
600x600 mm (595 x 595 mm)  
PANEL C120:  
1200x600 mm (1195 x 595 mm)

**Certificated perforations**



Panel not perforated  
R0701  
R1511  
R211  
R2516  
D1522  
D222  
Acoustic R1511  
Acoustic D1522

$\alpha_w$

Class

ND  
D  
C  
C  
C  
C  
C  
A  
A

\*incluso tessuto non tessuto applicato sul retro  
\*\*incluso materassino

**Materials**



Coil coated steel  
Powder coated steel

RAL 9010, 9003, 9006  
wood effect and special finishes  
antibacterial paint: BIOCOTE

Coil coated aluminium

RAL 9003, 9006  
wood effect and special finishes  
\*other colours and finishes on request

**Fire reaction**



A1  
relevant legislation: UNI EN 13501-1

**Resistance to relative humidity (RH)**



RH 95%

**Weight Kg/m<sup>2</sup>**



Panel  
**STEEL**  
between 5.65 and 6.85 kg/mq  
(\*depending on the thickness of the panel)

**ALUMINIUM**  
between 2.35 and 3.20 kg/mq  
(\*depending on the thickness of the panel)

**Sustainability**



Recycled content  
< 30%

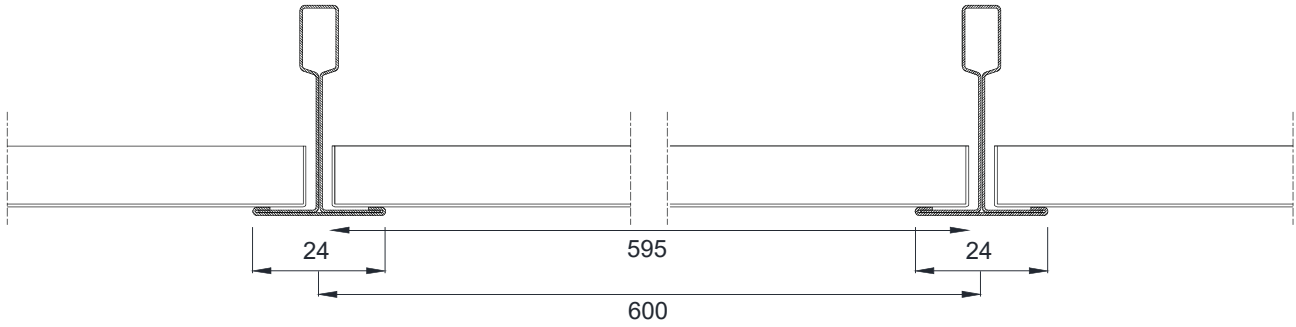


Green certifications  
Leed, Well, Bream

VOC content  
A+

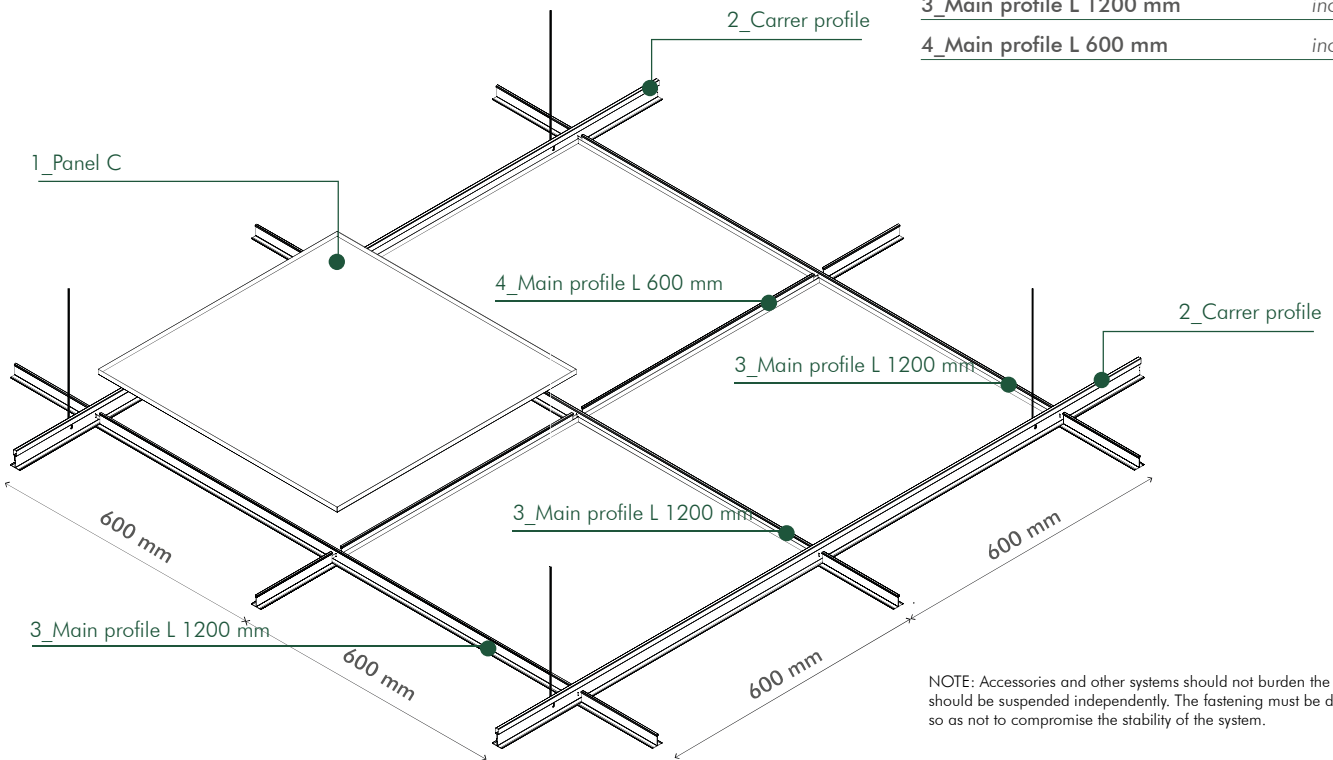


**PANEL C - Main section and details**

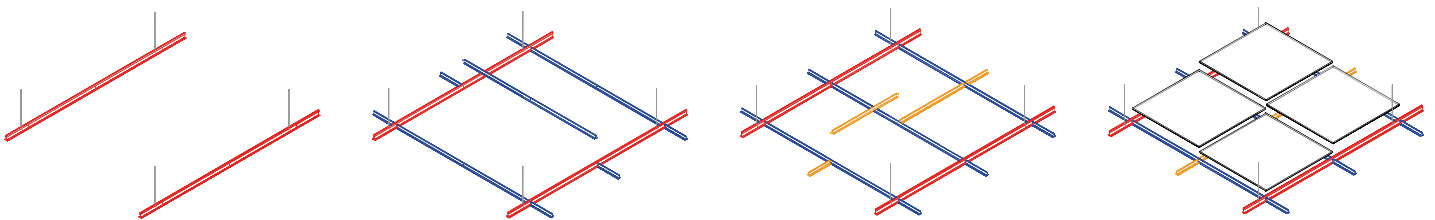


**Elements**

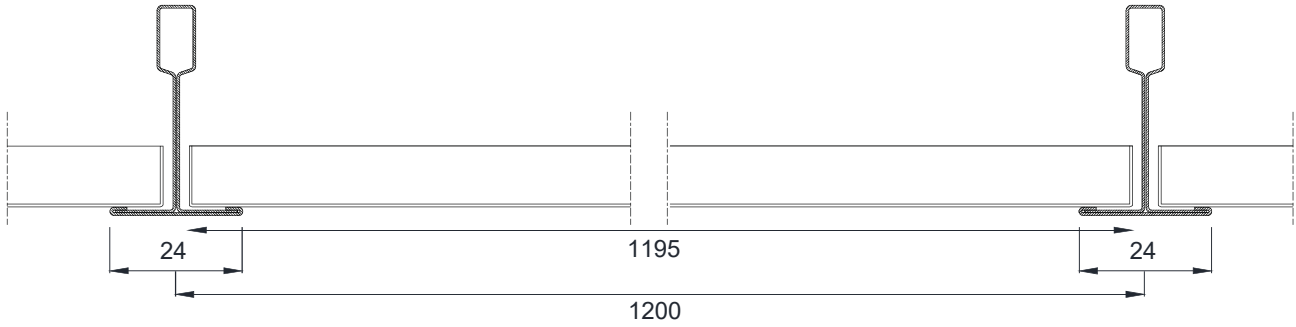
1_Panel 600 x 600 ( 595 x 595 )	inc. 2,78 mq
2_Carrer profile T24/ L 3600 mm T15/ L 3700 mm	inc. 0,23
3_Main profile L 1200 mm	inc. 1,38
4_Main profile L 600 mm	inc. 1,38



NOTE: Accessories and other systems should not burden the system and should be suspended independently. The fastening must be done correctly so as not to compromise the stability of the system.

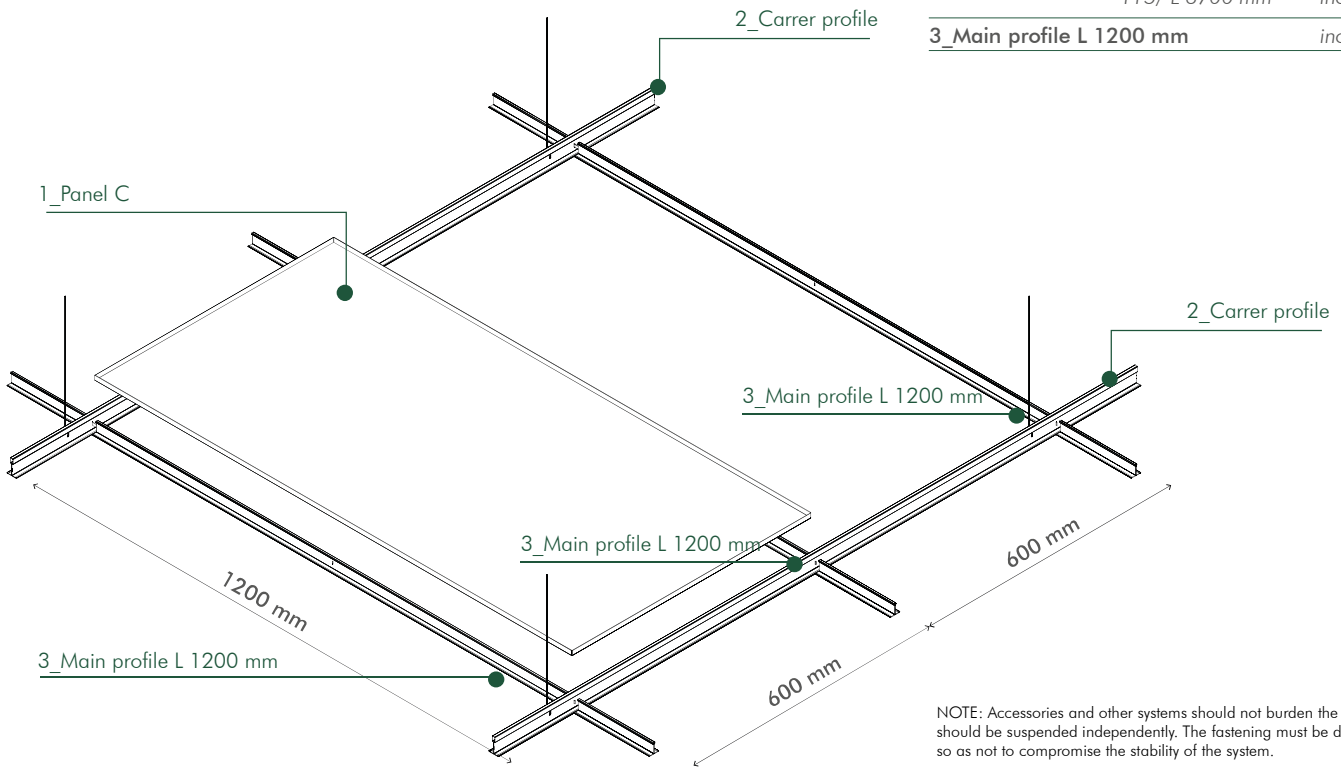


**PANEL C 120 - Main section and details**

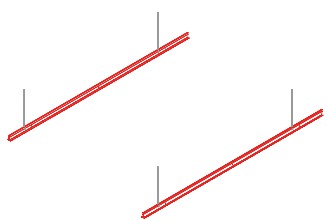


**Elements**

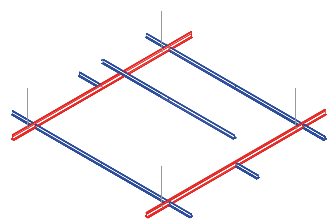
1_Panel 600 x 600 ( 595 x 595 )	inc. 2,78 mq
2_Carrer profile T24/ L 3600 mm T15/ L 3700 mm	inc. 0,23
3_Main profile L 1200 mm	inc. 1,38



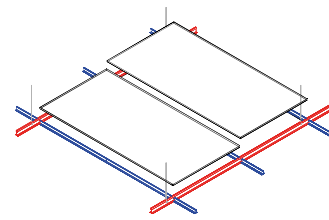
NOTE: Accessories and other systems should not burden the system and should be suspended independently. The fastening must be done correctly so as not to compromise the stability of the system.



1\_ Installation of carrier profile  
L 3600 mm; wheelbase 1200 mm



2\_ Installation of main profile  
L 1200 mm; wheelbase 600 mm



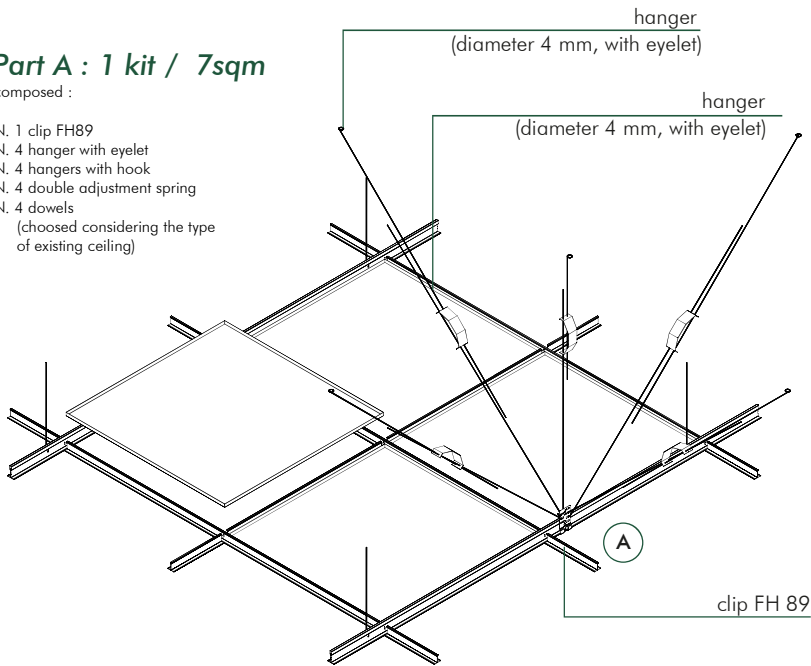
4\_ Panel placement

## Kit anti-seismic

### Part A : 1 kit / 7sqm

composed :

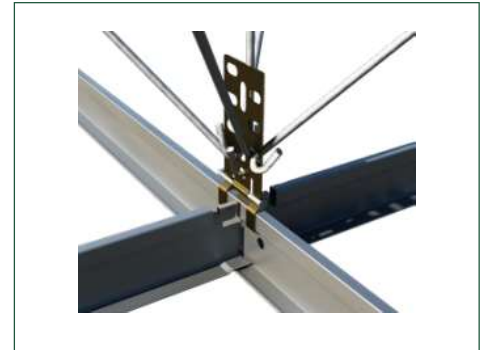
- N. 1 clip FH89
- N. 4 hanger with eyelet
- N. 4 hangers with hook
- N. 4 double adjustment spring
- N. 4 dowels  
(chosen considering the type of existing ceiling)



### ANTI-SEISMIC ELEMENTS - (A)

Detail:

- n° 5 hanger
- n° 1 clip FH89



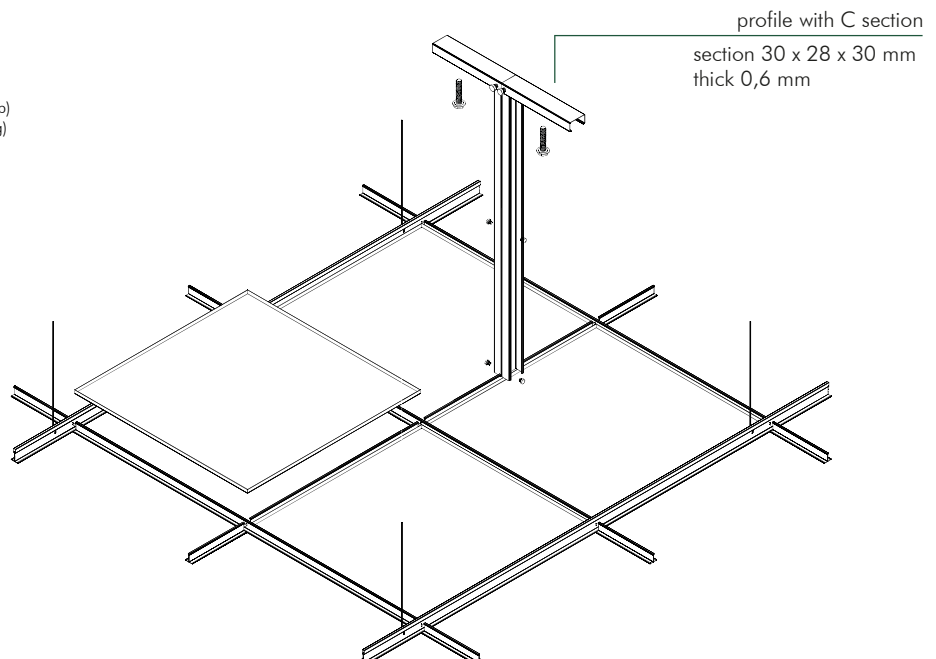
The bracing consists of the suspension clip for T profiles (FH 89) and 5 double spring hangers. The FH 89 Clip is secured to the supporting profile using a safety pin (the latter is locked by bending the end). A first hanger is inserted in a vertical position by fixing it to the clip in the second central slot from the bottom of the FH89 Clip. Once the hanger has been adjusted in height and fixed to the attic, tighten the hook at the clip. Insert 4 double spring hangers in the slots of the FH 89 clip, the first two from the bottom, as in the figure (6).

Once the 4 hangers have been inserted inside the 2 slots, secure them to the slab at an angle of 45 degrees. Tighten the hooks of the hangers in correspondence with the FH 89 clip to prevent it from unhooking.

### Part B : 1 kit / 7sqm

composed :

- N. 2 profile with C section 30x28x30 mm
- N. variable self-tapping screws (depending on the ceiling drop)
- N. 2 dowels (chosen considering the type of existing ceiling)

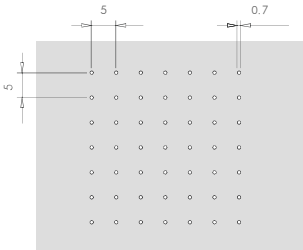


Using the provided C-profiles, recreate the strut as per drawing. Cutting the elements on size during installation. Fix the profile to the base with self-tapping screws. Fixing profiles side by side with self-tapping screws. Fix the top element of the strut using dowels chosen considering the type of existing ceiling.

# Perforation options

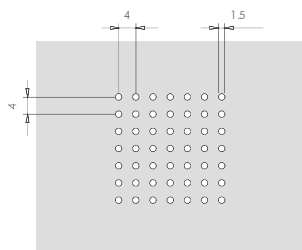
## Regular

**R0701**



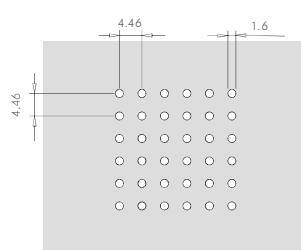
aw 0.55 - EXTRA MICRO PERFORATION  
 Diameter: 0.7 mm  
 Perforation area : regular central or total  
 Inter-axes: 5x5 mm  
 Perforation surface: 1.5% approx.

**R1511**



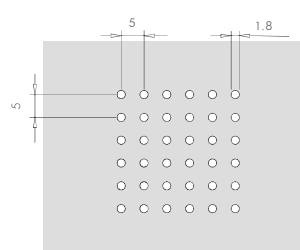
aw 0.70 - MICRO PERFORATION  
 Diameter: 1.5 mm  
 Perforation area : regular central or total  
 Inter-axes: 4x4 mm  
 Perforation surface: 11% approx.

**R1610**



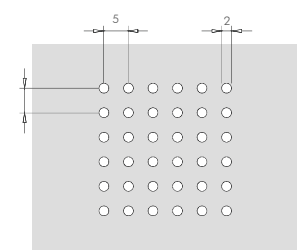
Diameter: 1.6 mm  
 Perforation area : regular central or total  
 Inter-axes: 4.46x4.46 mm  
 Perforation surface: 10% approx.

**R1810**



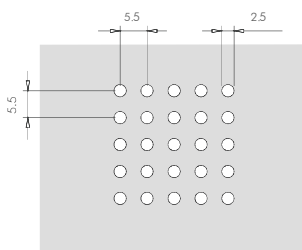
Diameter: 1.8 mm  
 Perforation area : regular central or total  
 Inter-axes: 5x5 mm  
 Perforation surface: 10% approx.

**R211**



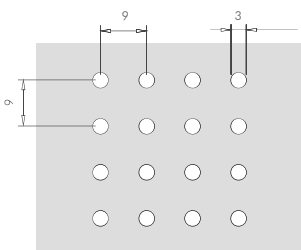
aw 0.70  
 Diameter: 2 mm  
 Perforation area : regular central or total  
 Inter-axes: 5x5 mm  
 Perforation surface: 11% approx.

**R2516**



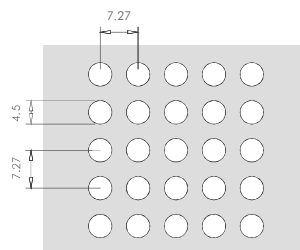
aw 0.75  
 Diameter: 2.5 mm  
 Perforation area : regular central or total  
 Inter-axes: 5.5x5.5 mm  
 Perforation surface: 16% approx.

**R308**



Diameter: 3 mm  
 Perforation area : regular central or total  
 Inter-axes: 9x9 mm  
 Perforation surface: 8% approx.

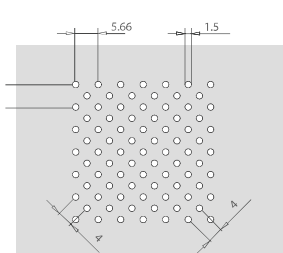
**R4530**



Diameter: 4.5 mm  
 Perforation area : regular central or total  
 Inter-axes: 7.27x7.27 mm  
 Perforation surface: 30% approx.

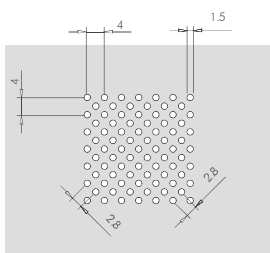
## Diagonal

**D1511**



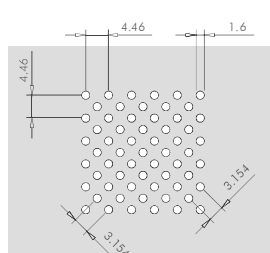
Diameter: 1.5 mm  
 Perforation area : regular central or total  
 Inter-axes: 5.66x5.66 mm  
 Perforation surface: 11% approx.

**D1522**



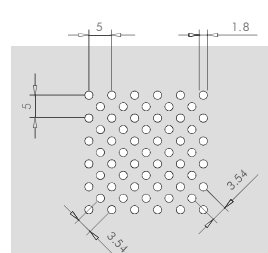
aw 0.75 - MICRO PERFORATION  
 Diameter: 1.5 mm  
 Perforation area : regular central or total  
 Inter-axes: 4x4 mm  
 Perforation surface: 22% approx.

**D1620**



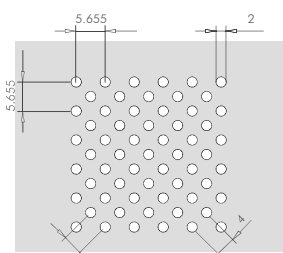
Diameter: 1.6 mm  
 Perforation area : regular central or total  
 Inter-axes: 4.46x4.46 mm  
 Perforation surface: 20% approx.

**D1820**



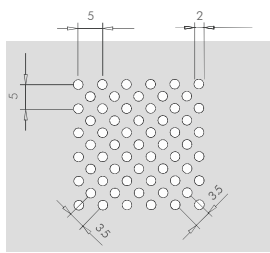
Diameter: 1.8 mm  
 Perforation area : regular central or total  
 Inter-axes: 5x5 mm  
 Perforation surface: 20% approx.

**D220**



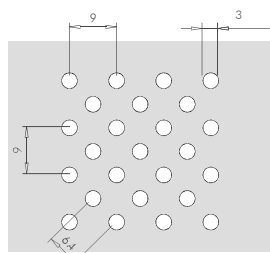
Diameter: 2 mm  
 Perforation area : regular central or total  
 Inter-axes: 5.655x5.655 mm  
 Perforation surface: 20% approx.

**D222**



aw 0.70  
 Diameter: 2 mm  
 Perforation area : regular central or total  
 Inter-axes: 5x5 mm  
 Perforation surface: 22% approx.

**D316**

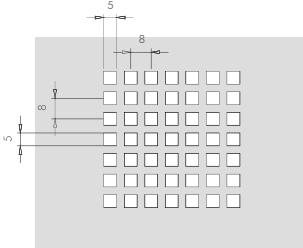


Diameter: 3 mm  
 Perforation area : regular central or total  
 Inter-axes: 9x9 mm  
 Perforation surface: 16% approx.

## Perforation options

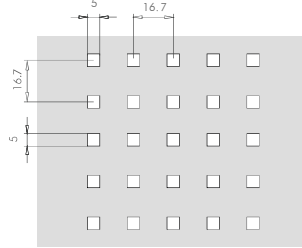
### Square

**Q540**



Hole: 5x5 mm  
 Perforation area : regular central or total  
 Inter-axes: 8x8 mm  
 Perforation surface: 40% approx.

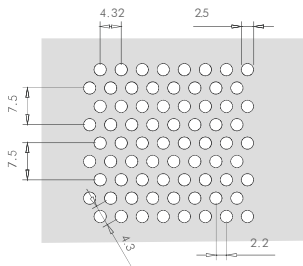
**Q509**



Hole: 5x5 mm  
 Perforation area : regular central or total  
 Inter-axes: 16.7x16.7 mm  
 Perforation surface: 9% approx.

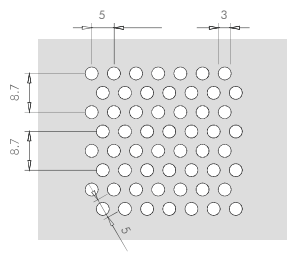
### Hexagonal

**E2530**



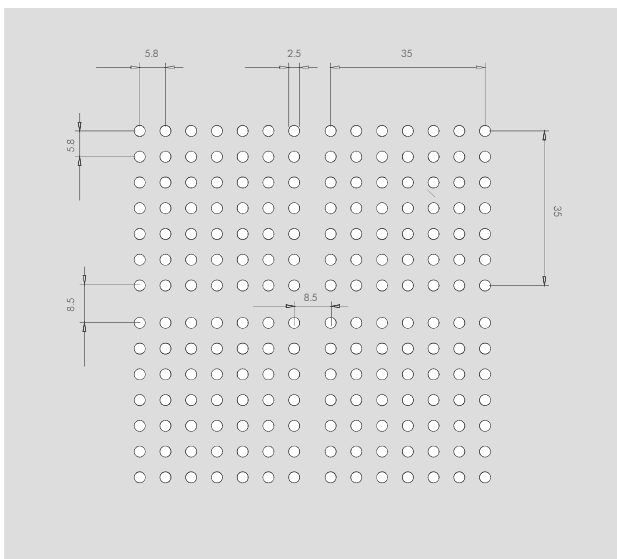
Diameter: 2.5 mm  
 Perforation area : regular central or total  
 Inter-axes: 7.27x7.27 mm  
 Perforation surface: 30% approx.

**E332**



Diameter: 3 mm  
 Perforation area : regular central or total  
 Inter-axes: 7.27x7.27 mm  
 Perforation surface: 30% approx.

### 04/5,5x5,5



Diametro: 2.5 mm  
 Perforation area : regular 35x35 mm  
 Inter-axes: 8.5 mm  
 Perforation surface: 15% approx.

## General informations

### Technical standards

All Profilsystem products are CE marked according to EN 13964. They are also accompanied by the Declaration of Performance (D.O.P.) as required by European regulation 305/11 concerning the placing of construction products on the market.

For applications in particularly aggressive environments such as swimming pools, industrial installations with chemical and / or corrosive fumes, check the most suitable material and surface treatment with the technical or commercial office of Profilsystem.

### Storage

All products are carefully packed and placed on special pallets and secured by strapping and film wrapping. On request we can provide the package complete of cardboard corners, bubble wrap and polystyrene to reduce the risks during transport.

It is always recommended to handle all packaging with the most care, avoiding shocks and practices that damage the contents. The packed material is stored in closed, clean and dry places until the time of pic-up.

Do not expose filmed products to heat sources and do not leave them under the sun.

### Installation

The metal ceiling are installed manually by the installer depending on the type and model you choose.

The material should be stored in closed, clean and dry places until the time of installation.

Do not rest on the ground and not leave the products on site without the original package issued at the time of delivery.

Avoid the contact between material and water, solvents, degreasers and aggressive liquids.

### Cleaning and Maintenance

Metal ceilings, thank to the easy washing and cleaning are also a guarantee in terms of hygiene.

To remove dust, stains or smudges you can use carefully a clean, dry cloth or moistened with neutral detergent, or non-abrasive and non-aggressive disinfectants.





*Give life to your project*

## Our offices are at your disposal

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