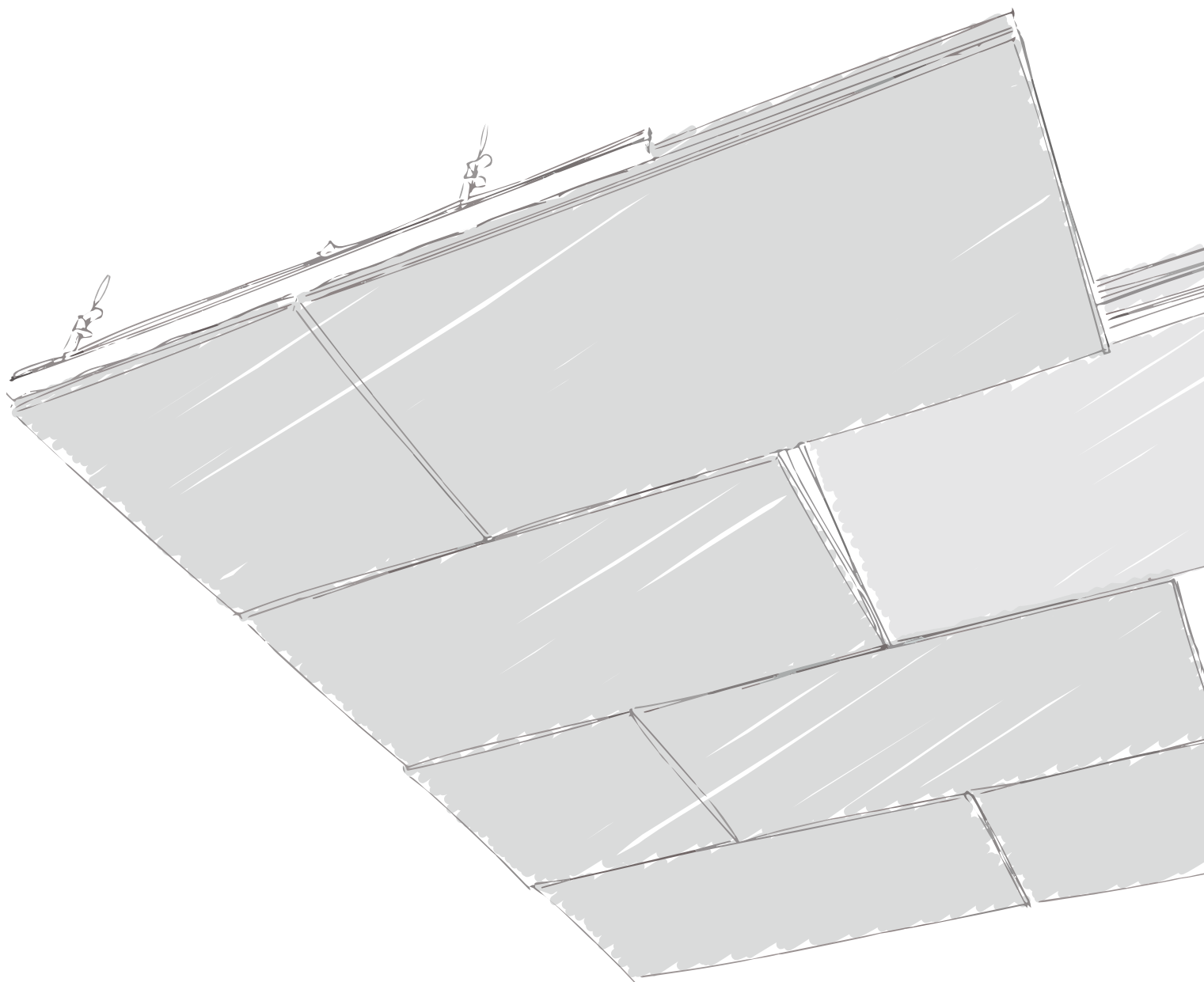




# FALSE CEILINGS HIDDEN T PROFILE







## Item specifications

CELENIT sound absorbing and inspectionable false ceiling with hidden T35 profile, model ACOUSTIC ..., with thermal and acoustic insulation, eco-friendly and sound absorbing boards - CELENIT ... product range, CELENIT ... item No. ... - made of mineralized ... fir wood wool bound with white Portland cement, it complies with EN 13168 and EN 13964 standards, it can be coupled with rock wool (ACOUSTIC MINERAL product range); dim.: ... x ... mm; th.: ... mm; texture: ...; straight edges (code: D) or chamfered edges (code: S4); weight: ... kg/m<sup>2</sup>;  $\lambda_D$ : ... W/mK;  $R_D$ : ... m<sup>2</sup>K/W; compressive stress  $\sigma_{10}$ :  $\geq$  ... kPa; water vapour transmission  $\mu$ : 5; reaction to fire: Euroclass B-s1, d0 or A2-s1, d0 (EN 13501-1 standard); sound absorption:  $\alpha_w$  ... / NRC ...; durability: class C; light reflection:

50.7 o 74.0% (painted white 05/15); release of formaldehyde: class E1; it does not contain asbestos.

Wood wool boards must be certified by ANAB-ICEA and natureplus for eco-compatibility of materials and manufacturing process, PEFC™ or FSC® for the sustainability of wood raw material, ICEA for the content of recycled material and for the attestation of LEED credits, EPD for the environmental statement.

Bearing T35 profiles fixed every 600 mm, suspended by adjustable hangers; connecting element for hidden structure.

## Products



CELENIT ACOUSTIC range

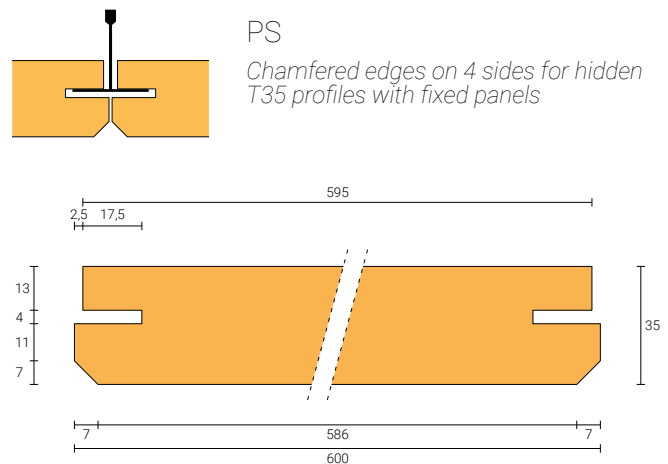
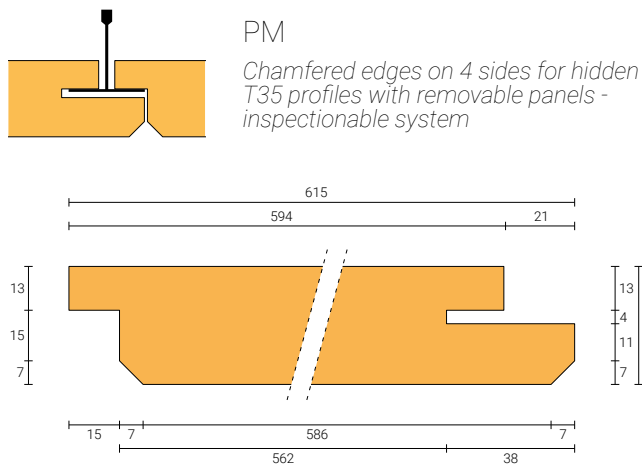
**ABE - AB**

CELENIT ACOUSTIC A2 range

**ABE/A2 - AB/A2**

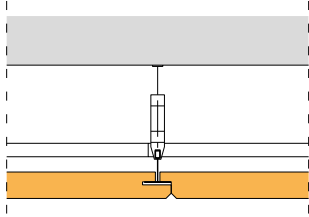
Boards made of mineralized wood wool bound with white Portland cement

## Edges detail



## Installation system

### Inspectionable hidden structure with removable panels - PM edge



Inspectionable. PM edge allows you to hide the structure and provide mobility of the panel.

#### Profiles dimensions

Main bearing T profile section 35x43 mm, length 3600 mm.

Connecting element for hidden structures section 25x25 mm, length 625 mm.

#### Panel dimensions

Thickness 35 mm.

Dimensions 600x600 - 1200x600 mm.

#### Installation scheme

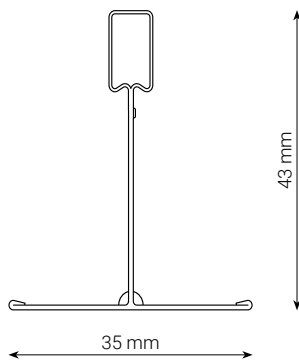
Bearing T profiles fixed every 600 mm.

Connecting element for hidden structure every 1200 mm (see notes on page 7).

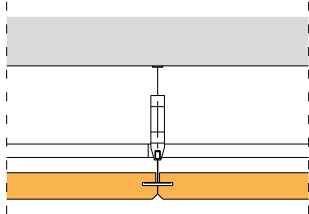
#### Hangers

Adjustable hanger with hanging ring.

Minimum suspensions 150 mm insulation excluded.



### Hidden structure with fixed panels - PS edge



#### Profiles dimensions

Main bearing T profile section 35x43 mm, length 3600 mm.

Connecting element for hidden structures section 25x25 mm, length 625 mm.

#### Panel dimensions

Thicknesses 25 - 35 mm.

Dimensions 600x600 - 1200x600 mm.

#### Installation scheme

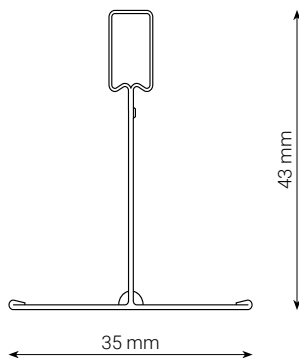
Bearing T profiles fixed every 600 mm.

Connecting element for hidden structure every 1200 mm (see notes on page 7).

#### Hangers

Adjustable hanger with hanging ring.

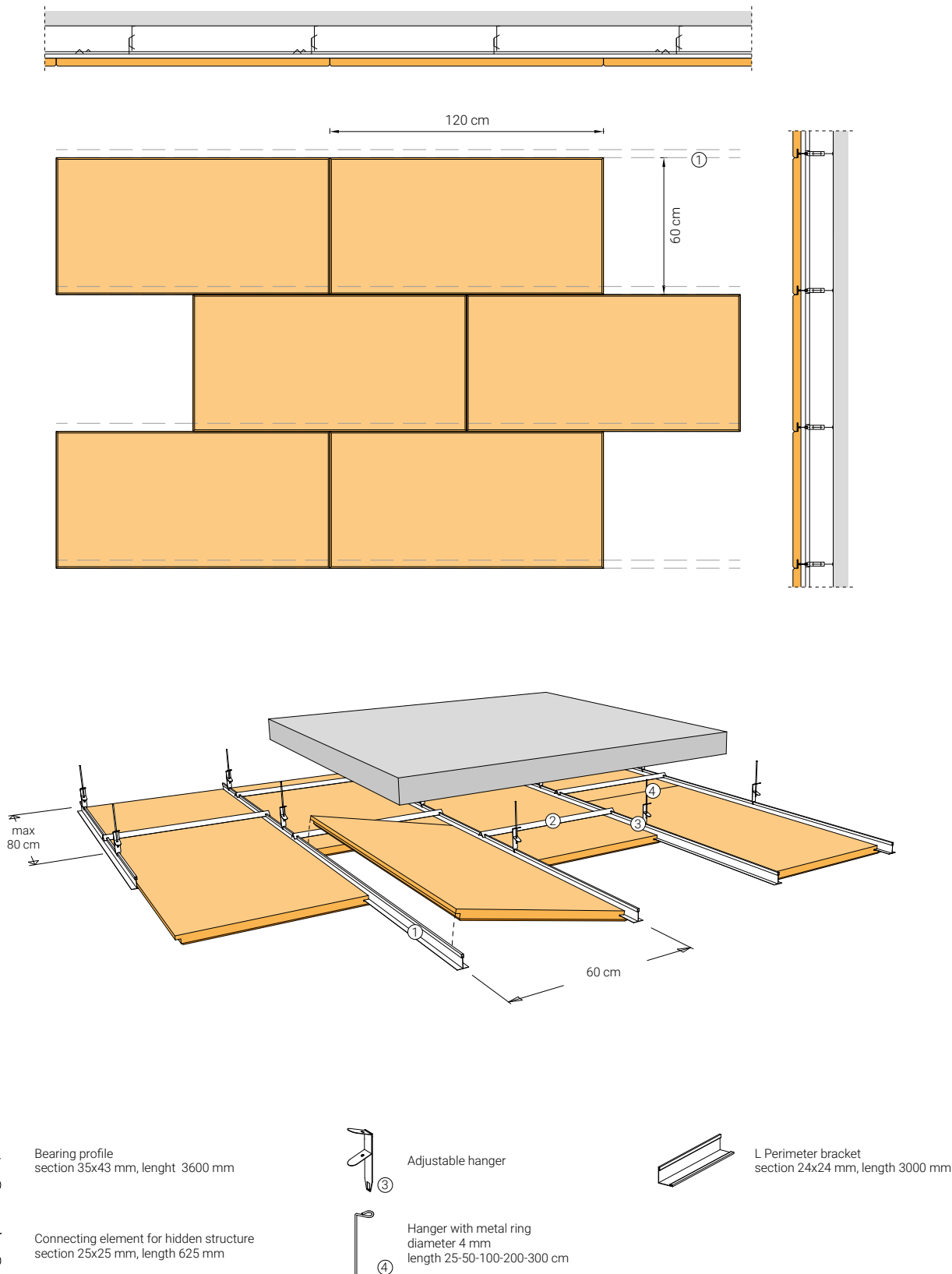
Minimum suspensions 150 mm insulation excluded.



The profiles can be anticorrosion treated on demand for high relative humidity applications: swimming pools, saunas, kitchens, changing rooms of gym and health centers.

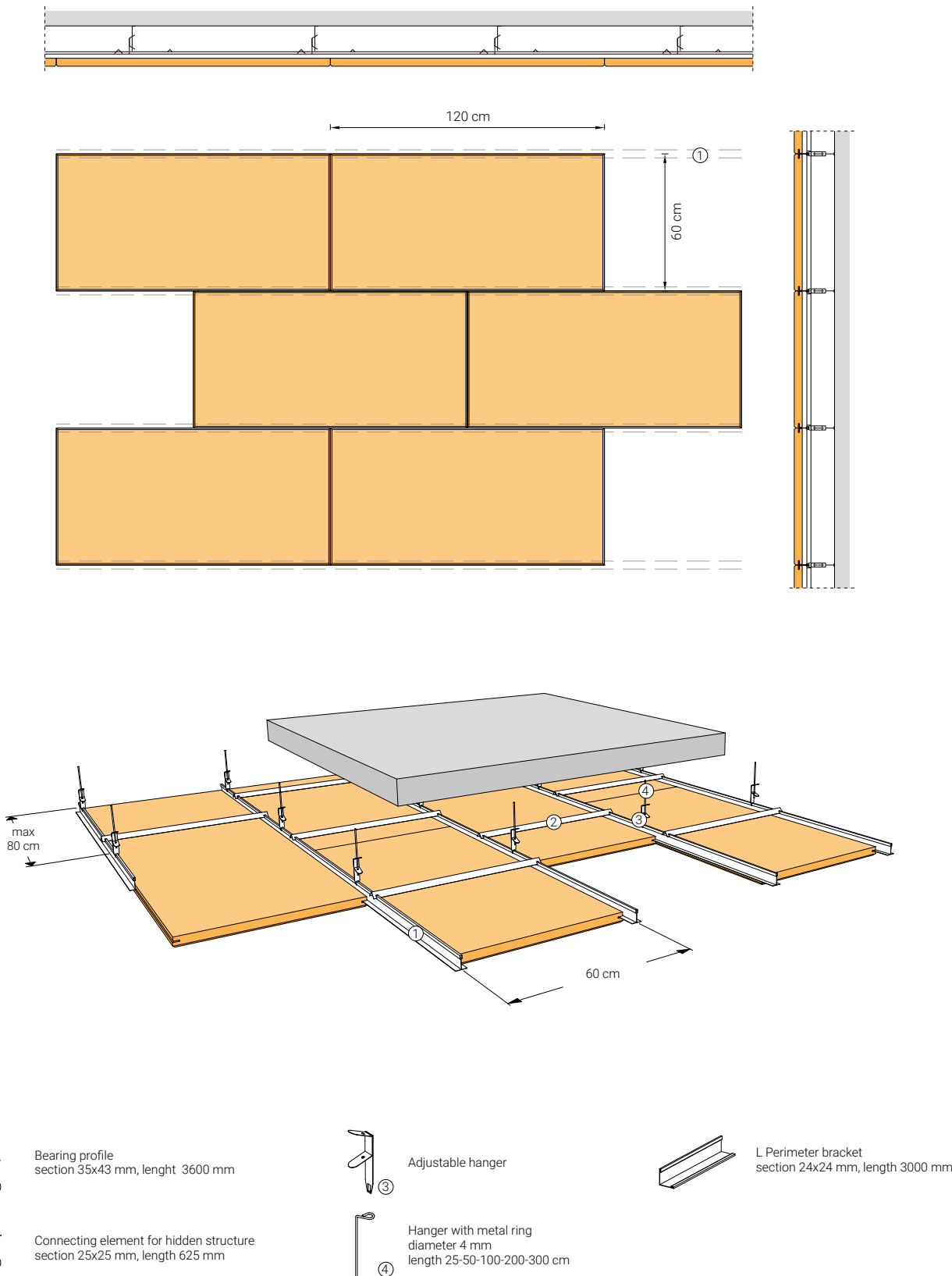
# Inspectionable hidden structure with removable panels

T35 profile, boards with PM edge



# Hidden structure with fixed panels

T35 profile, boards with PS edge



## Indicative quantities



Dimensions 600x600 mm  
Connecting element every 800 mm  
Bearing profile every 600 mm  
Spacing between hangers:  $\leq 800$  mm



Dimensions 1200x600 mm  
Connecting element every 800 mm  
Bearing profile every 600 mm  
Spacing between hangers:  $\leq 800$  mm

Type	Section [mm]	Spacing [mm]	Indicative quantities
Hanger with metal ring <sup>★2</sup>	Φ 4	800 <sup>★1</sup>	2.10 pcs/m <sup>2</sup>
Adjustable hanger	-	800 <sup>★1</sup>	2.10 pcs/m <sup>2</sup>
Bearing profile	35x43	600	1.70 m/m <sup>2</sup>
Connecting element	25x25	1200 <sup>★3</sup>	1.92 pcs/m <sup>2</sup>
L Perimeter bracket	24x24	-	Perimeter <sup>★4</sup>

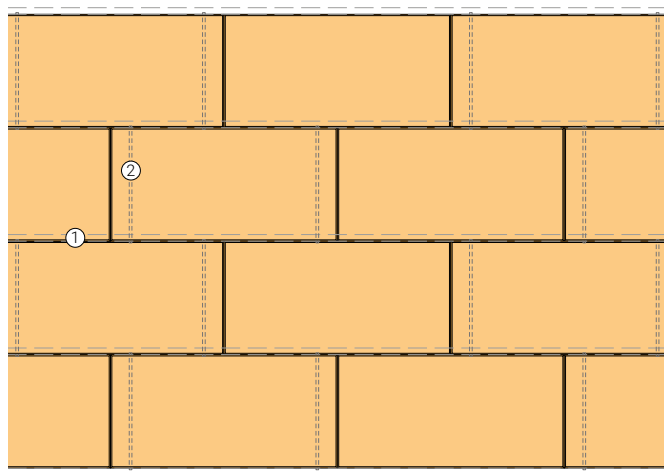
<sup>★1</sup> The spacing between the hangers is the distance between them along the bearing profile.

<sup>★2</sup> The length of the hangers with metal ring is depending on desired suspension. Galvanized steel hangers are recommended. The quantity of profiles/hangers varies in function of the spacing.

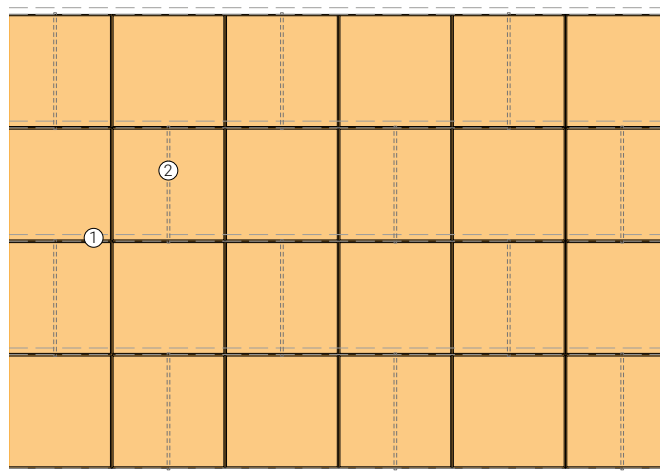
<sup>★3</sup> The spacing of between connecting elements is not bound to the length of the panels, as it will not remain visible but will be anchored directly in the upper part of the supporting profile. The spacing 1200 mm is only indicative of the quantities. For 60x60 cm boards with PM edge, the installation of connecting elements will be "alternating panels" in the longitudinal direction: the first panel will have 1 element, while the next one will not. For 120x60 cm boards with PM edge, the installation of connecting elements will be "alternating panels" in the longitudinal direction: the first panel will have 2 element, while the next one will not.

<sup>★4</sup> The quantities of the L Perimeter bracket is the total perimeter of the false ceiling

## Examples of installation of connecting elements



120x60 cm boards with PM edge



60x60 cm boards with PM edge

- ① Bearing T35-profile
- ② connecting element

## Storage, use and maintenance

The boards must be stored on a pallet placed on a flat surface, protected from rain and direct sunlight. Pallets must be handled with care on site. Bumping the corners of the pallets can cause damage to the boards. For more information see the "Storage, use and maintenance" information available in the download area of the website [www.celenit.com](http://www.celenit.com).



CELENIT boards are dimensionally stable (EN 13168), however, they must be installed after acclimating to the same room they are going to be installed in, as well as after all concrete works are finished and the doors, windows, heating and ventilation systems have been installed.

Room temperature must be kept constant before and after installation. Do not suddenly change the temperature of the room after installation.

## General installation instructions

- The boards have one side that should be visible (front of the board) and another side that should be placed against the structure (back of the board). The back of the board usually has the CELENIT logo or shows calibration marks. The front may be painted and/or has worked edges. In the absence of paint or edges, the front can be identified according to the pallet layout: the front of the boards faces the top and the back faces the pallet.
- With the aid of a laser level mark the positions for the fixings of the hangers (fixing must be chosen according to the ceiling texture and the loading of the structure) and drill the holes, then connect the hangers to the fixings.
- With the aid of a laser level trace the desired height of the false ceiling on the wall and fix the L perimeter bracket
- Design the bearing profiles position starting from the center of the ceiling to have a symmetric layout.
- Lay the panels on the profiles and at the same time lay the

connecting element on the bearing profile with an appropriate distance. Take maximum care while handling the panels. Corners and paint are easy to damage. Use clean gloves when installing the panels. Please find more information on stocking, use and maintenance at [www.celenit.com](http://www.celenit.com).

- It is possible to insert mineral wool panels or wood fiber panels on top of CELENIT panels to improve acoustic and thermal performances while laying CELENIT boards.
- After the installation please follow the recommendations in the section "Storage, use and maintenance" at [www.celenit.com](http://www.celenit.com).