



DETAILED SPECIFICATIONS OF OPEN CELL SUSPENDED CEILING (PLEGMA)

SCP's open cell suspended ceiling "Plegma", canvas dimensions 600x1200mm and color according to the choice of supervision, consisting of aluminum elements based on EN-573 thickness 0.5mm, alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²).

The dimensions of the cells which are created in the Plegma, are type of CELL5050, CELL6060, CELL7575, CELL8686, CELL100100, CELL120120, CELL150150, CELL200200, CELL506/5-1, CELL506/3-1 or CELL75/1-3 of SCP.

Coating process thermosetting polyester paint by rollercoating method according to EN 10169.

In more detail, the elements of Plegma ceiling are:

Main runner, type G1 of SCP, "Π" cross-section, dimensions 10x40x10mm and length 1800mm, with suitable repeated spacing to allow assembly with the elements of the tiles, as well as SCP's G2-12 type runner for the cell construction, and holes for hanging from the structural elements of the building.

Secondary runner, type G2-12 of SCP, "Π" cross-section, dimensions 10x40x10mm and length 1200mm respectively, with suitable repeated spacing to allow assembly with the elements of the tiles, as well as SCP's G1 type runner for the cell construction, and holes for hanging from the structural elements of the building.

Secondary elements of tiles, type L1-12 of SCP, "Π" cross-section, dimensions 10x40x10mm and 1200mm length, with suitable repeated spacing to allow assembly with the runner, L2-6 type of SCP and the construction of the tile.

Longitudinal cells, L2-6 type of SCP, "Π" cross-section, dimensions 10x40x10mm and 1200mm length, with suitable repeated spacing to allow assembly with the runner, L1-12 type of SCP and the construction of the tile.

SCP HWH type main runner joint clip, formed from DIN aluminum sheet, of alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²).



To support the ceiling, SCP-type suspension is used from the main and secondary runners, per 600mm in longitudinal and transverse axis, consisting of:

- Galvanized quickhangers wire with a diameter of 3mm and length of 250 or 500 or 750 or 1000mm.
- Butterfly type height adjuster made of 0.5mm thick galvanized steel.
- Steel anchor, 8.75mm diameter
- Perimeter angle, "L" cross-section, type 7010 of SCP, 24x24mm dimensions and 3050mm length, or perimeter corner, "L" cross-section, type 7010E of SCP,

3050mm length, or perimeter angle, "L" cross-section, 20X020 type 7010E of SCP,

20x20mm dimensions and 3050mm length or perimeter angle, "Z" cross-section, type 7010Z of SCP, 24x14x8x16mm dimensions and 3050mm length

Main Runner G1

The main runner G1 is manufactured from a 0.42-0.52mm thick aluminum sheet based on EN-573 thickness 0.5mm-0.6mm, alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²). The runner is formed into a rolling machine, it has a "Π" cross-section, 10x40x10mm dimensions and 1800mm length, with suitable repeated spacing to allow the assembly with the elements of the tiles, as well as the runner G2-12 for the construction of the ceiling, and holes for suspension from the structural elements of the building. The paint is Coating process thermosetting polyester paint by rollercoating method according to EN 10169.

Secondary Runner G2

The secondary runner G2-12 is manufactured from a 0.42-0.52mm thick aluminum sheet based on EN-573 thickness 0.5mm-0.6mm, alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²). The runner is formed into a rolling machine, it has a "Π" cross-section, 10x40x10mm dimensions and 1200mm length, with suitable repeated spacing to allow the assembly with the elements of the tiles, as well as the runner G1 for the construction of the ceiling, while it has holes for suspension from the structural elements of the building. The paint is Coating process thermosetting polyester paint by rollercoating method according to EN 10169.

Secondary Elements Tiles L1-12

The tile's runner L1-12 is manufactured from a 0.42-0.52mm thick aluminum sheet based on EN-573 thickness 0.5mm-0.6mm, alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²). The runner is formed into a rolling machine, it has a "Π" cross-section, 10x40x10mm dimensions and 1200mm length, with suitable repeated spacing to allow the assembly with the elements of the tiles, as well as the runner L2-6 for the construction of the ceiling. The paint is Coating process thermosetting polyester paint by rollercoating method according to EN 10169.



Longitudinal Elements of Tile L2-6

The tile's runner L2-6 is manufactured from a 0.42-0.52mm thick aluminum sheet according to the choice of supervision, consisting of aluminum elements based on EN-573 thickness 0.5mm-0.6mm, alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²). The runner is formed into a rolling machine, it has a "Π" cross-section, 10x40x10mm dimensions and 600mm length, with suitable repeated spacing to allow the assembly with the elements of the tiles, as well as the runner L1-12 for the construction of the ceiling. Coating process thermosetting polyester paint by roller coating method according to EN 10169.

Joint clip of the Main Runner HWH

Joint clip HWH, is manufactured from a 0.42-0.52mm thick aluminum sheet of DIN specifications, of alloy 3104, not thermally hardened, purity 99~99.8% and bearing H46 (220~270 N/mm²).

Suspension Elements

- Galvanized quickhangers with a diameter of 3mm and length of 250 or 500 or 750 or 1000mm.
- Butterfly type height adjuster made of 0.5mm thick galvanized steel.
- Steel anchor, 8.75mm diameter
- Perimeter angle, "L" cross-section, type 7010 of SCP, 24x24mm dimensions and 3050mm length, or perimeter corner, "L" cross-section, type 7010E of SCP, 3050mm length, or perimeter angle, "L" cross-section, 20X020 type 7010E of SCP, 20x20mm dimensions and 3050mm length or perimeter angle, "Z" cross-section, type 7010Z of SCP, 24x14x8x16mm dimensions and 3050mm length

