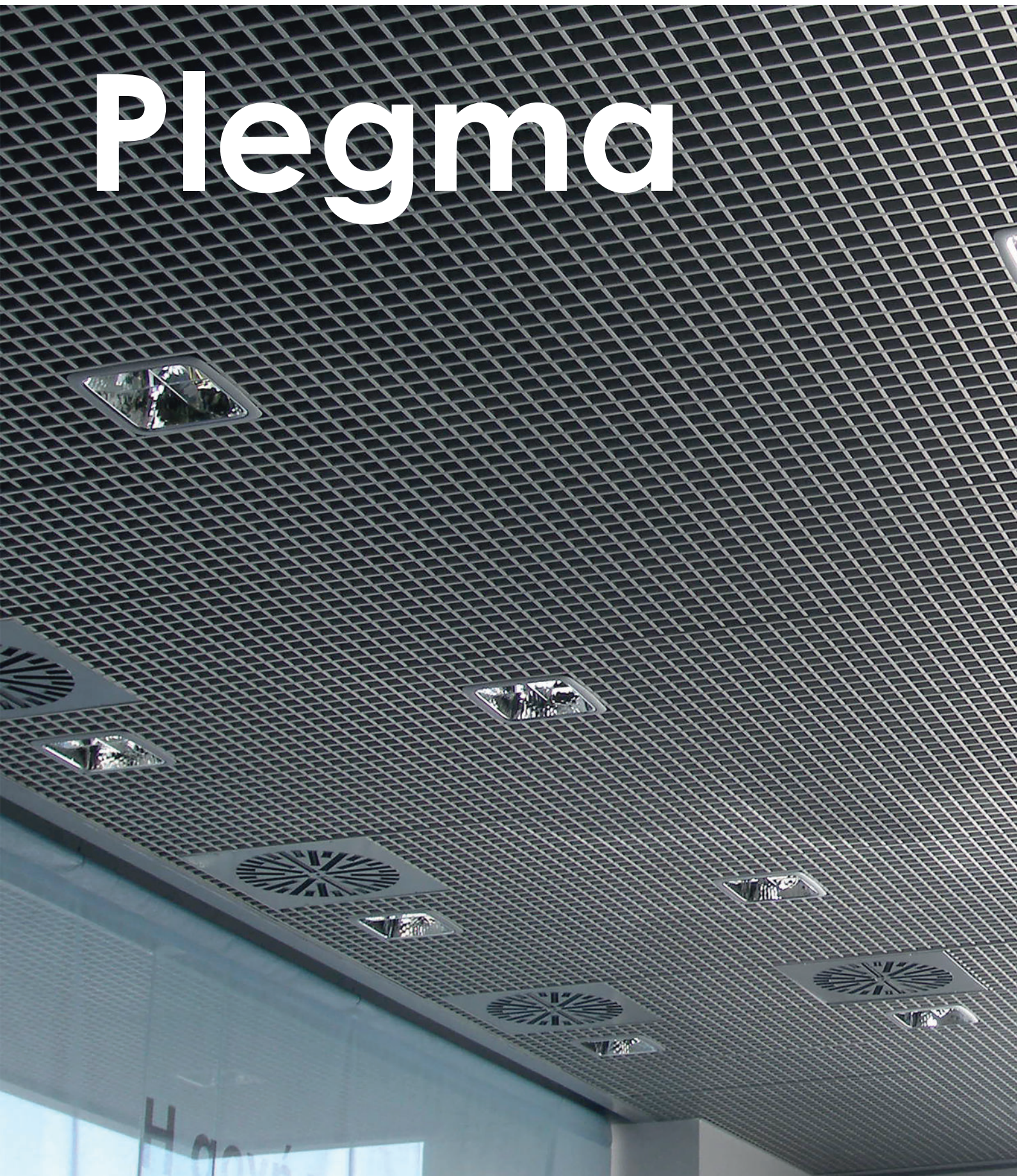




Open cell suspended ceiling installation instructions

# Plegma







## Open cell suspended ceiling instructions

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The SCP open cell suspended ceiling installation follows certain basic steps which are briefly presented bellow. It is strongly recommended that they are followed by every installation team so that the proper and acceptable result is achieved.

### STEP 1: Perimeter profile installation

In order to install the perimeter profile (Image 1) the suspended ceiling's general level must be first determined. This is achieved using a water hose in smaller spaces, or laser rays in larger spaces and for higher precision. Then, the profile is installed perimetrically on the spaces's vertical elements and all its angles, fixed in intervals of maximum distance of 450 mm. The suspended ceiling's minimum distance from the existing ceiling is 20mm.

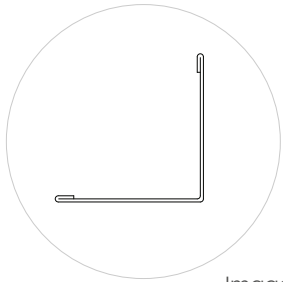


Image 1

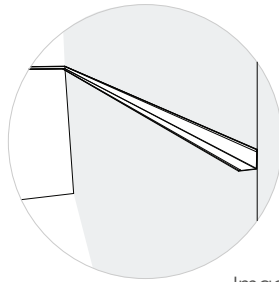


Image 2

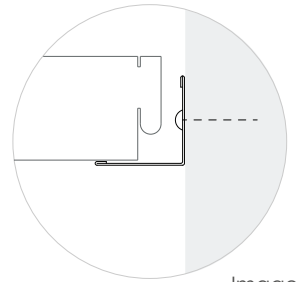


Image 3

### STEP 2: Determining suspension points

The suspensions are placed along direction of the main runners (Code G1). The distance between the main runners should be 1200mm. The distance between successive suspensions along the main runner axis as well as crosswise, should be 600mm (Image 4).

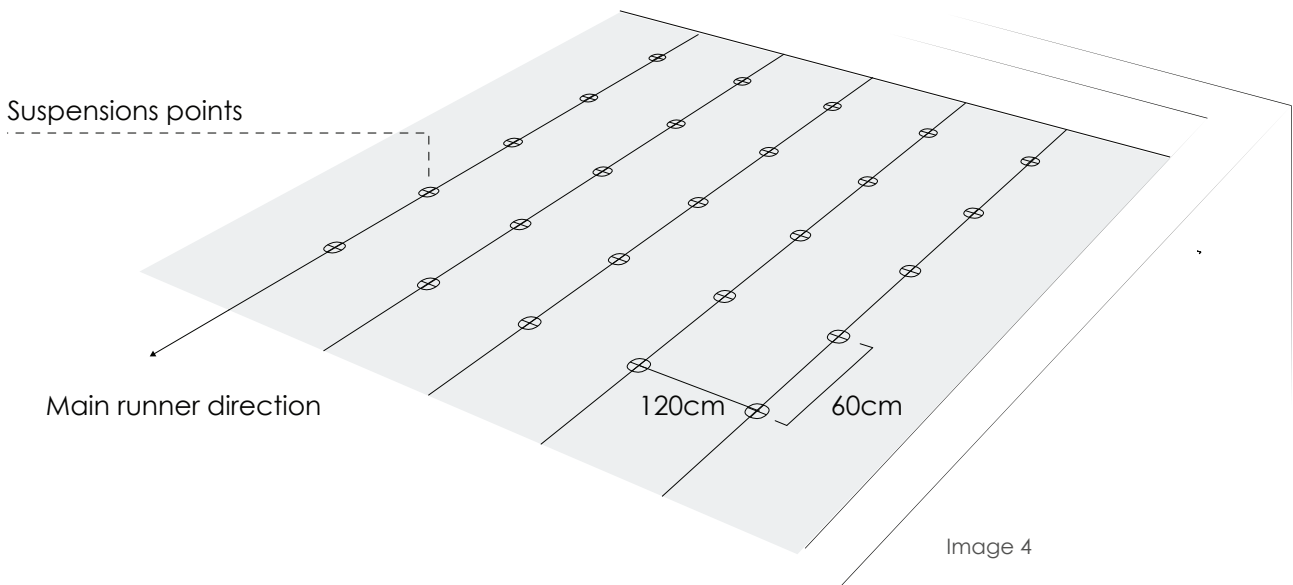


Image 4



### STEP 3: Fixing suspensions

The steel anchors, that possess a special slot for hanger wires, are nailed into a hole of 8mm that is opened by electric drill (Image 5). Only steel anchors are recommended according to the standards, as they provide fire safety holding the suspended ceiling when high temperatures are developed. Height adjustment brackets (Image 6) are fixed on the hanger wires and the suspended ceiling's height is determined by the level the perimeter was installed in step 1. The suspension's height is not finalized in this step but later, with the assistance of the runners (Image 7). In case of air conditioning spouts their height and their positioning are determined so that they are properly placed in the grid.

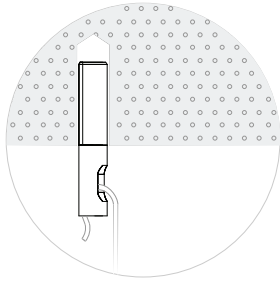


Image 5

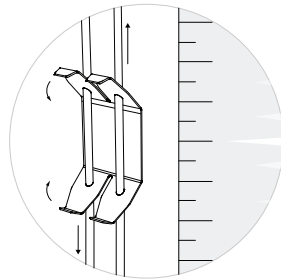


Image 6

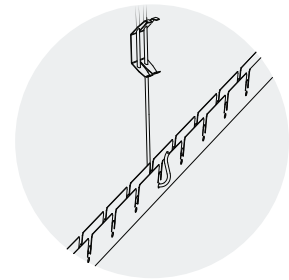


Image 7

### STEP 4: Main and cross runners installation

Firstly, the main G1 runners of 1800mm length are hanged at distance of 1200mm between them (Image 8). Where necessary, the connection clip HWH is used (Image 10-11). Consequently, the cross G2 runners of 1200mm length are installed at a distance of 600 mm between them, forming a module of 600X600 or 600X1200mm (Image 13).

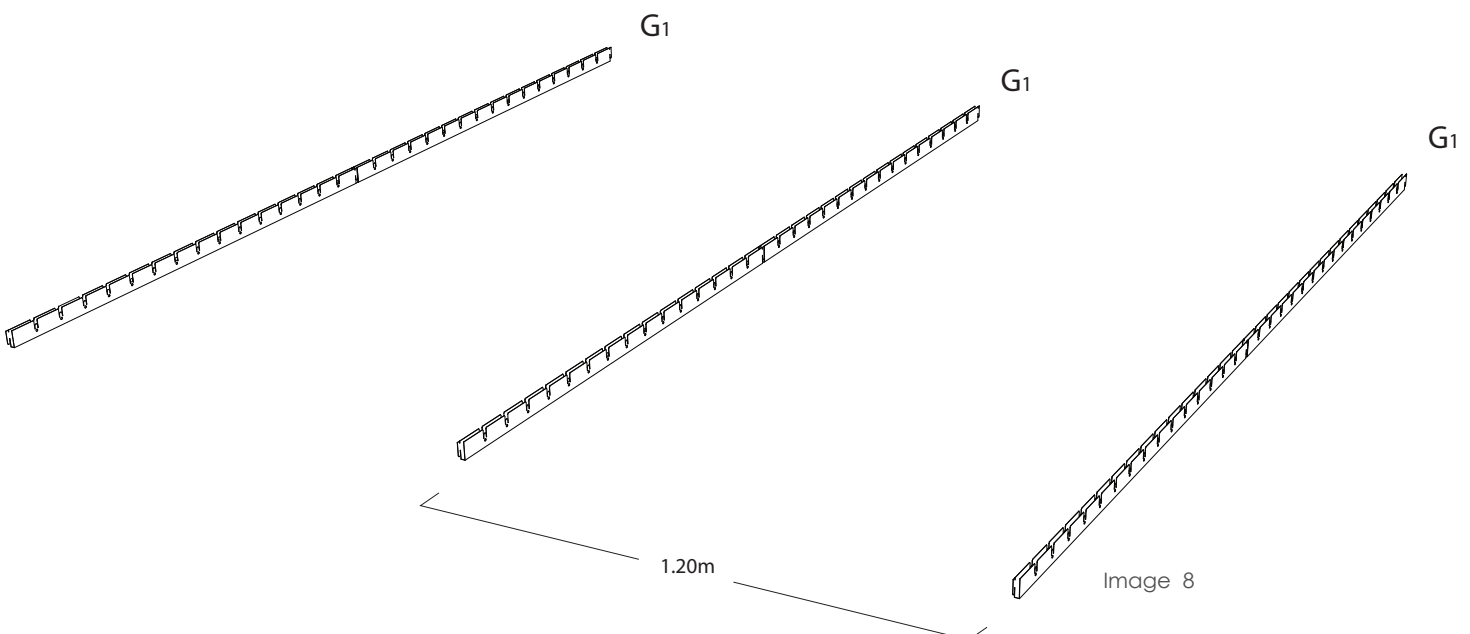
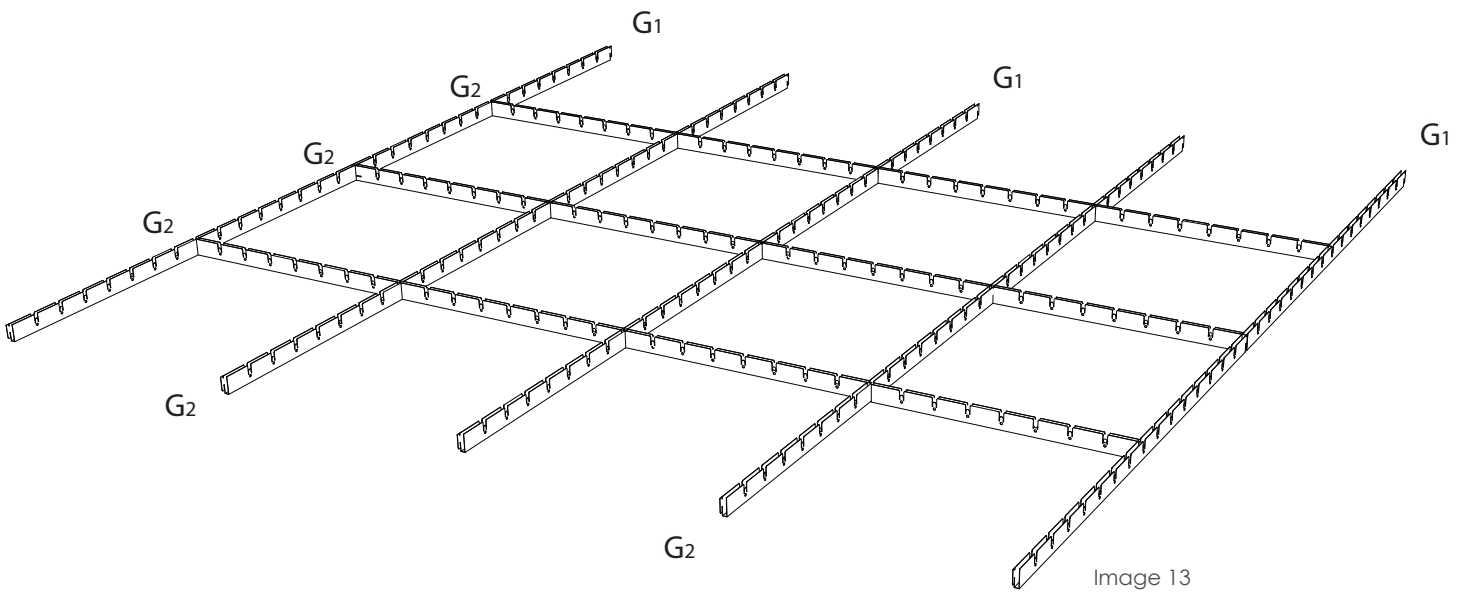
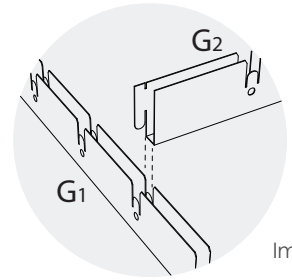
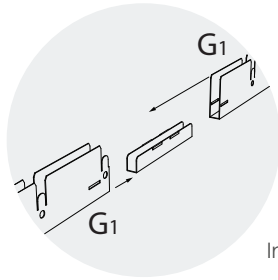
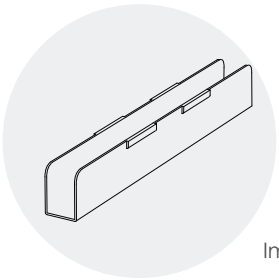
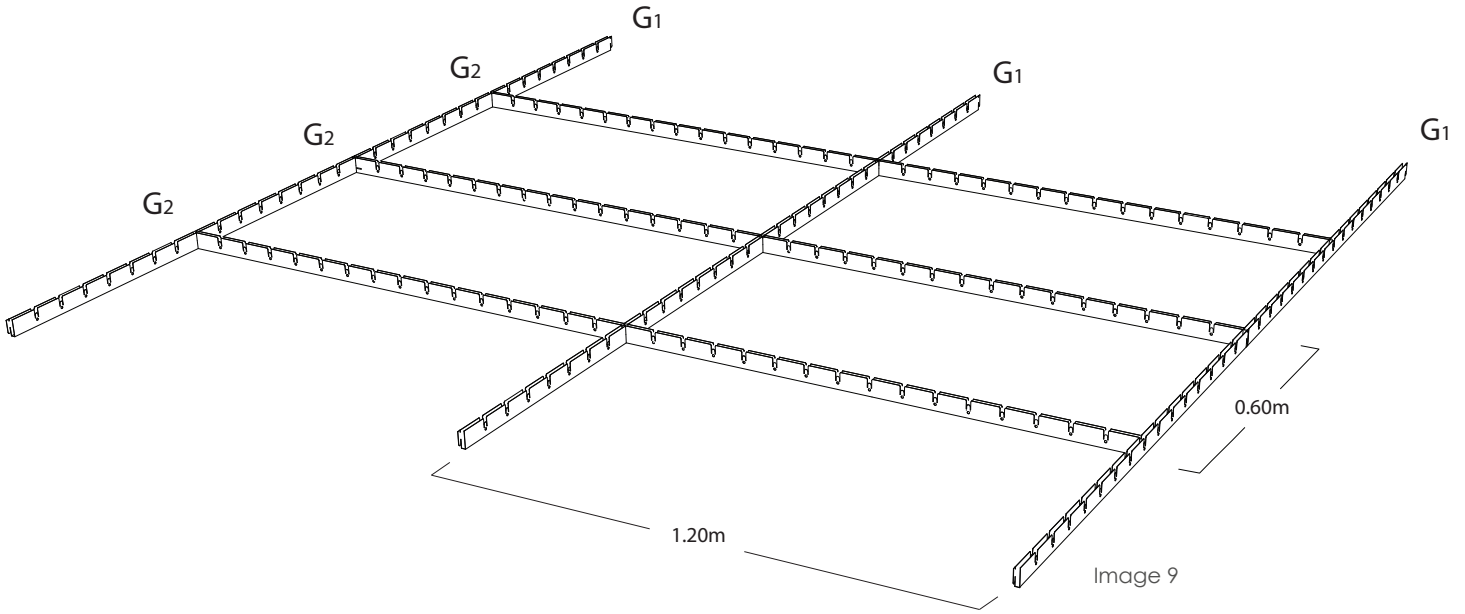


Image 8





## STEP 5: Tile assembly and installation

The combination of transverse and longitudinal L1 and L2 elements respectively, creates tiles of 600X1200 mm (Image 15) with cells that range from 50x50 to 200x200 mm. The tiles are easily assembled with the main and cross runners, G1 and G2 respectively, through connectors in their in their edges (Image 14).

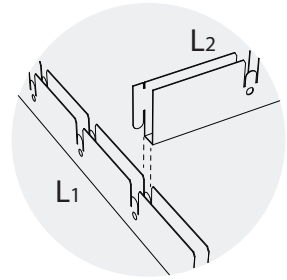


Image 14

This set up makes the installation process faster and easier to disassemble.

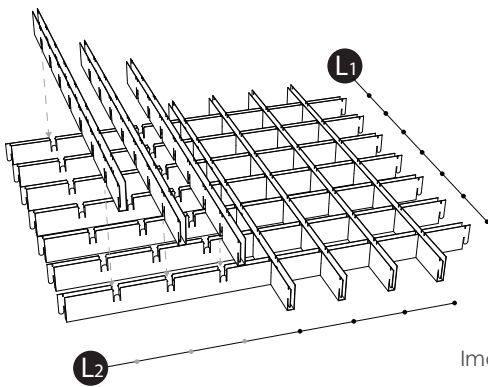


Image 15

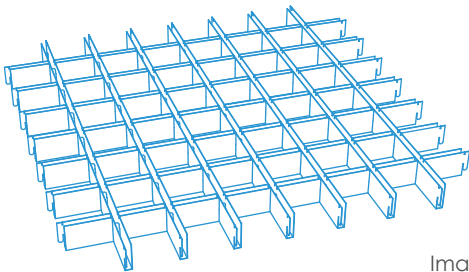


Image 16



Attention! The longitudinal L1 and L2 elements that create tiles are packed and have a direction sign (arrow).



During the installation of the tiles the suspended ceiling is constantly squared and leveled.



The use of gloves is necessary during the installation of the tiles.



For all the cuttings proper tools should be used and all safety rules be followed

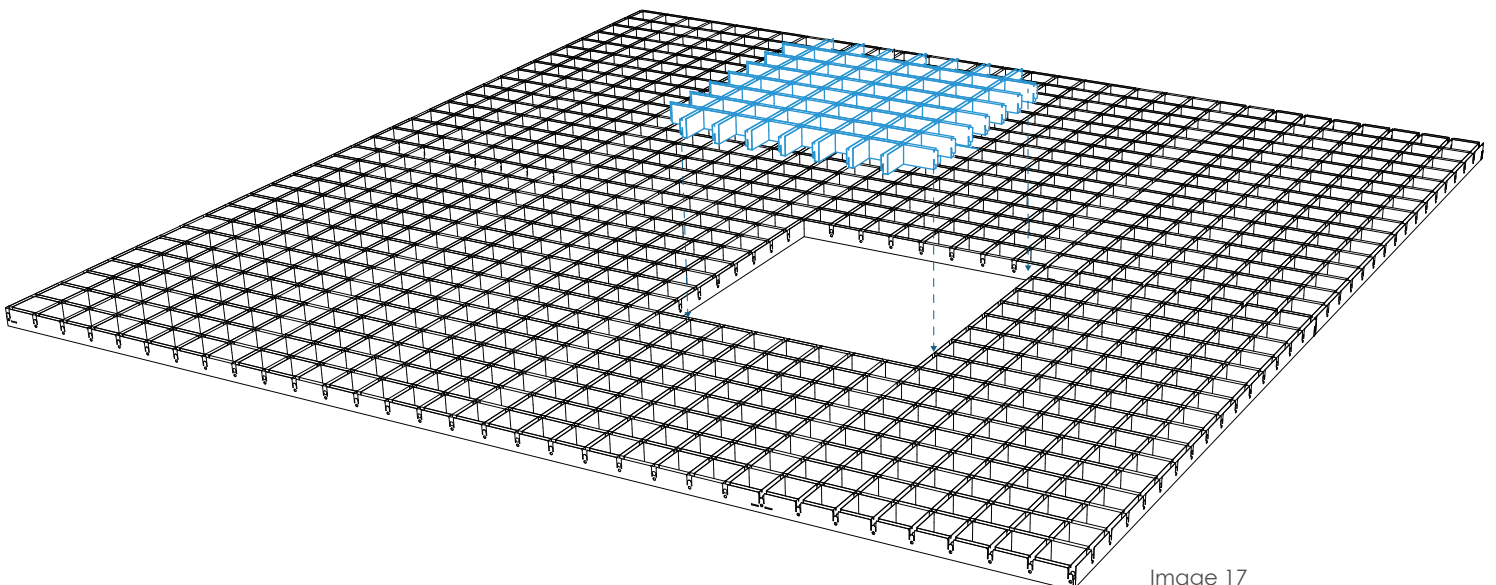
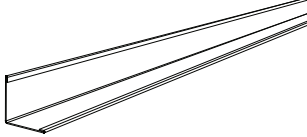





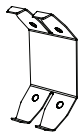

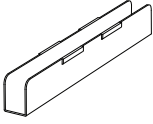

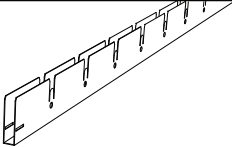

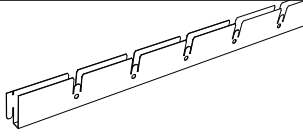

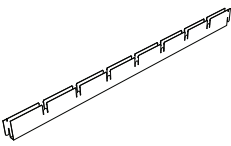

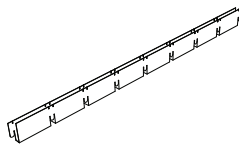


Image 17



## OPEN CELL CEILING, PLEGMA – ACCESSORIES CATALOG

	7010	Perimeter angle 24x24x3.05	40/ 
	An-8	Metal suspension anchor 8mm	500/ 
	Sg-3	Suspension hanger wire 3mm	50/ 
	S3	Suspension bracket	500/ 
	HWH	Metal joint	
	G 1	Main Runner 1800mm	
	G 2	Secondary Runner 600mm	
	L 1	Main Tile Element 600mm	
	L 2	Secondary Tile Element 600mm	