



DETAILED SPECIFICATIONS FOR LUXAL ALUMINUM STRIPS CEILING

A) Unperforated strips 100mm

SCP's aluminum strips "LUXAL A110", 0,42-0,50mm width, dimensions 85x15mm, with inclined curved, side shaping, no folded edges. 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).

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

Cold forming is used to shape metal sheet in roll forming machine.

B) Unperforated strips 150mm

SCP's aluminum strips "LUXAL A160", 0,42-0,50mm width, dimensions 135x15mm, with inclined curved, side shaping, no folded edges. 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).

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

Cold forming is used to shape metal sheet in roll forming machine.

C) Perforated strips 100mm

SCP's perforated aluminum strips "LUXAL T110", 0,42-0,50mm width, dimensions 85x15mm, with holes 2mm diameter in an equilateral triangular arrangement of side 5mm, with inclined curved, side shaping.

The total surface of the holes as a percentage of the surface covered by suspended ceiling is 16%. On the back of the perforated area, is given the possibility of mounting nonwoven

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D) Perforated strips 150mm

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E) Aluminum bead

SCP's joint lath is made of a thin sheet of thick extruded aluminum 0.22 and dimensions 15x16mm, "Π" cross section with concave configuration of the two sides flaps, with folded edge. It is placed either on the flat side as a cover material of the space between the strips or from the side of the groove, inverted and dyed to create recess.

SCP's strips suspended ceiling system consists of:

F) Luxal main runner R45

SCP's R45G/100 beam, key element of the load-bearing body of the roof, produced by galvanized steel (R45G), formed in trapezoidal cross section with legs, dimensions 40mm, The thickness of the cross-section is 1.3-1.5mm and is shaped with a suitable repeater gap to accept a 85mm or 135mm wide strip and a 15mm joint cover, while there are holes on its sides for suspension from the structural elements of the building. In the case where the B50 joint cover B50 isn't used, the beam R45/92 is placed, with a smaller gap that allows the creation of an 8mm joint.



G) Suspension elements

- Galvanized quickhangers S25, S50, S75, S100 of SCP, 3mm diameter and length 250, 500, 750 or 1000mm respectively, with a suitable shaping on the one's end to fit into its hole master guide of the steel anchor.
- SCP's butterfly S-shaped steel height adjusters, dimensions 55mm(height)x30mm(width), 0.5mm thick galvanized steel, rustproof for holding galvanized wires and easy height adjustment. It accepts two parallel galvanized wires from the unformed side. In this way, suspended ceiling fixing is achieved at a distance 200mm to 1800mm from the built ceiling.
- SCP's AN-8 steel ceiling anchor, 1.2mm thick, 8.75mm diameter, with suitable shaping 10x5mm on the one end to accept quickhanger. With vertical installation on the ceiling, it holds a load of up to 40kg.

