

LIGHT ENCLOSURES

LIGHT ENCLOSURE (sandwich panels)

In this enclosure has been placed an auxiliary structure formed by steel tubes at certain distance, which form a frame and they are anchored to building structure – metallic in this case – through pieces of welded profiles “L”.

The opaque enclosure is formed by sandwich panels, with two steels sheets and stuffing with polyurethane foam. This foam is resistant to possible condensation which could produce in the panel.

The panels are fixed to the steel tubes frame, through galvanized steel pieces. They have a double tongue and groove on the horizontal joints and one of them on the vertical joints. The thermal bridges between the panels and the auxiliary structure are avoided with expanded polystyrene.

Another element of the frame is formed by an aluminum frame, which is fixed mechanically and it's prepared to be glassed