

Canopy Main Structure

CURVED AUSTRAL STRUCTURE

23,50 x 60,1

Calculated according to standard: EUROCODE 1 (Calculation) & EUROCODE 9 (Design)

Dimensions:

- Gantry width: 11.5 m
- Over hang: 0 m
- Length: 42 m
- Lateral height: 6.9 m
- Total area: 483 m²

The supporting structure consists of arches made of high-strength aluminium extrusion profiles (6082 T6 alloy). The connecting pieces are made of hot dip galvanized ST-235 quality steel. The frames are joined together by means of aluminium and/or cold-formed steel straps and braces with galvanized treatment. The bracing of the structure is carried out by galvanized cables protected by p.v.c and the fixing elements are made of zinc-plated hardware. The plates are anchored to the ground by means of expansion plugs or rods with epoxy resin.

Application standards:

- Aluminium extrusion according to UNE 7753 standard
- Hot galvanized according to UNE ENISO1461 standard
- Crimping of cables according to standard UNE EN13414-1

Roof Membrane

TRANSLUCENT PRESSURIZED TEXTILE MEMBRANE COVER

Made up of two layers of polyester textile membrane covered with P.V.C, with Keder welded by high frequency on both sides to guarantee tightness with the structure. The two layers of canvas form an air chamber with a pressure of 0.8 mbar, providing great thermal insulation and better resistance to wind and snow. By means of a low consumption turbine the cover is inflated and the pressure is maintained with a mechanical pressure switch.

Technical specifications:

- Base fabric: Polyester
- Weight / m²: 640gr
- Fire behaviour: B-s3, d0 (T2)
- Colour: White
- Surface finish: Glossy Exterior

Upper Side Walls

UPPER SIDEWALLS

Upper sidewalls 3 m from ground level.

It consists of a layer of polyester textile membrane covered with P.V.C

Technical specifications:

- Base fabric: polyester
- Weight / m²: 640gr / m²
- Fire behaviour: B-s3, d0 (M2)
- White colour
- Surface finish: Glossy Exterior