



WAY SHOPPING CENTRE, DOS HERMANAS

PROJECT DESCRIPTION

This project aims to create a visually attractive solution that provides both convenience and comfort to the new Way shopping and leisure area.

Eight marquee structures have been fitted in the car park on the ground floor, adding shade and providing protection against the harsh weather conditions. In the restaurant area found on the first floor, two wire mesh coverings have been installed to provide users with comfort while also creating an architectural landmark within the shopping centre. This area also features a canvas false ceiling beneath the marquees, enabling the aesthetic to be fully integrated throughout the shopping centre.

The coverings in the car park are made up of eight metallic structures with a rectangular base measuring between 33 x 11m and 48 x 11m.

The wire mesh coverings are comprised of two metallic structures measuring 43.5 x 15.75m and 64 x 24.4m.

The false ceiling is made from 85 fabric membranes with a triangular volumetric morphology of 2.14m² of projected surface and they are attached to the structure using a system of rubber and rope with stainless steel eyelets.

CHARACTERISTICS

Material	PES/PVC
Application	Commercial centre
Surface	2.573m ²
Measures	Parking canopies: 2.573m ² + 627 Cable meshes: Mesh 1: 43.5 x 15.75m Mesh 2: 64 x 24.4m False ceiling: 85 rhomboid membranes 2 x 2.5m
Location	Dos Hermanas, Sevilla
Architect	E.Bardaji Asociados (Jes�n Mart�n)
Year	2020

TECHNICAL DATA

Car park marquees:

The coverings in the car park are created using metallic structures as the supports, with tensile membranes and cables, covering a total surface area of 3.237m².

Each membrane is supplied as a single piece and is attached along its edge to the structure using aluminium bars with a RAL 9010 white lacquer finish.



The metal structure is comprised of pillars and racks, both with a square cross-section. The height of the pillars varies between 2.3 and 2.8m and are also finished in RAL 9010.

22 modules with a stainless steel cable grid will be added as supports for the plant cover.

The membranes are made from PVC-coated polyester on both sides, with Polyplan 745 Tent Light from the brand Sattler being used.

Wire meshing:

The first covering extends over a total surface area of 652.50m² and consists of 474 units of square textile membrane. The second one covers a surface area of 846.90m² and is made up of 591 units of square membrane.

On each mesh, the units of different types of membrane have been placed in a way that doesn't cover the entirety of the surface of the mesh, following the final design.

The metal structure is comprised of pillars and racks, with square and circular cross-sections. The pillars of both mesh covers are reinforced with stainless steel tensile bars and, in some parts, with stainless steel wires placed diagonally to add extra strength to the structure.

The membranes are comprised of two pieces of polyester fabric, coated with PVC on both sides, with Frontside View 381 and Soltis Perform 92 from the brand Serge Ferrari being used.

The stainless steel wires inside the mesh secure the membranes and are attached both to the metal racks through fasteners and fixings, and to the twin wires running along the edge through a special coupling between the wires.

False ceiling fabric:

This is created using 85 textile membranes with a triangular volumetric morphology of 2.14m² of projected surface. They are attached to the structure using a system of rubber and rope with stainless steel eyelets.

The membranes are comprised of two pieces of polyester fabric, coated with PVC on both sides, with Frontside View 381 and Soltis Perform 92 from the brand Serge Ferrari being used.

