



# TRES AGUAS SHOPPING CENTRE

## PROJECT DESCRIPTION

This project aims to protect the walkway and upper terrace at the Tres Aguas shopping center in Alcorcón, Madrid. The objective is to protect the upper terrace from solar radiation by means of polygonal canopy-type structures, with a PVC membrane on the upper part, creating protection from the elements and the sun's rays. The canopy is made up of 10 panels that share the pillars and corbels, located next to each other, along the entire upper terrace.

The architectural studio in charge of this work was Chapman Taylor, and the person responsible for the lighting project was Alvaro Coelho from Portugal, from RDT Studio.

## CHARACTERISTICS

|             |                                               |
|-------------|-----------------------------------------------|
| Material    | PES/PVC                                       |
| Application | Comercial centre                              |
| Surface     | 461m <sup>2</sup>                             |
| Measures    | 10 polygonal structures of varying dimensions |
| Location    | Madrid                                        |
| Architect   | Chapman Taylor                                |
| Year        | 2019                                          |

## TECHNICAL DATA

The metal structure is built of HEB profiles and is reinforced by welded plates, creating a rectangular tube where it intervenes. The canvas selected is a Soltis 381 in beige, with micro-perforated membrane, tensioned around the perimeter of all the panels by means of an aluminium double headline profile fixed to the metal structure. To

prevent the canvas from taking the wind load, it is fixed in the middle of each panel by means of a bolted plate, splitting the distance subject to wind suction and fixing the canvas to the structure.

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