



VELOSTATION MONTPARNASSE

PROJECT DESCRIPTION

This project aims to cover the bicycle parking located in the Montparnasse district of Paris.
One of the main elements of the intervention is the transparent cover at the entrance to the bicycle parking area. The aim is to create an access space protected from adverse weather conditions.
The roof is a wooden structure with an inclined triangular floor plan, measuring approximately 9m on each side and 6m high.
The membranes that guarantee the watertightness of the roof are made with a system of single-layer, tensioned ETFE sheeting.

CHARACTERISTICS

Material	ETFE
Application	Infrastructure and equipment
Surface	44m ²
Dimensions	Triangular of 44m ²
Location	Paris
Client	CBC Service
Year	2020

TECHNICAL DATA

The roof is supported by a wooden structure, where the supports are fixed around the perimeter, to generate specific supports for the aluminium profile with a silver anodised finish that runs around the entire contour.
The roof is divided into 3 membranes, creating a central vertex where the 3 sheets meet.

The 3 ETFE sheets are 200 microns thick and transparent.
In addition, cables are added to reinforce the membrane

at the points of greatest stress.

The tensioning is generated inside the perimeter profile, guaranteeing optimum functional and aesthetic tensioning.

The anti-bird system is installed around the perimeter of the 3 membranes to protect the roof.

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