



RENNES BUS STATION

PROJECT DESCRIPTION

This project consists in the refurbishment of Rennes bus station, incorporating a new canopy which shelters 16 bus departure bays and protects travellers from inclement weather.

This new canopy is composed of a total of 59 two-layer ETFE cushions distributed in a single continuous line, 176m long. In the first part, the cushions, of variable length, follow the shape of the adjacent building. In the last part, the cushions, of constant length, follow a single alignment.

This configuration covers a total space of 754m².

CHARACTERISTICS

Material	ETFE Film
Application	Infrastructures and equipment
Measures	176 x 8m (the whole cover)
Location	Rennes, France
Year	2018

TECHNICAL DATA

This installation has been carried out using IASO's standardised AVIS TECHNIQUE system for ETFE cushions.

The ETFE cushions have 2 layers. The upper layer is printed with a design of aluminium-coloured dots with a diameter of 74mm, as prescribed by the architect AREP. The thicknesses of the ETFE membranes are 200, 250 and 300 microns.

The perimeter of the roof is bordered by aluminium flashings and a sealing membrane integrated into the roof profiles to keep the roof watertight.

The 3 expansion joints of the structure have been treated with white PVC membrane.

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