



BOURG LA REINE

PROJECT DESCRIPTION

This project consists in the refurbishment of Bourg La Reine bus station, incorporating 4 independent canopies to protect travellers from inclement weather.

Each of the 4 canopies is composed of 2 symmetrical single-laminate ETFE membranes, joined by their axis of symmetry. The 4 canopies are in the central square, around which the buses park. They are arranged overlapping each other to create a waiting area for passengers over 25m long.

This configuration covers a total space of 148m².

CHARACTERISTICS

Material	ETFE
Application	Infrastructure and equipment
Surface	150m²
Measures	4 canopies, each 10.20m long and width of between 5.41m and 3.07m.
Location	Bourg-la-Reine
Architect	SCP Beguin & Macchini
Year	2019

TECHNICAL DATA

This project was carried out with a single-laminate ETFE system, 250µm thick, screen printed with a design of 16mm diameter aluminium-coloured dots on 70% of the surface.

Each of the ETFE membranes is reinforced by stainless steel cables, and is fixed to the metal support structure across a rectangular section aluminium profile which

hides the membrane tensioning system in its interior.

In the central part of each canopy, which is both its lowest point and its axis of symmetry, stainless steel flashings and a sealing membrane have been installed, integrated into the profiling, which convey the rainwater into a central channel.

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