



TRITH-SAINT-LÉGER SWIMMING POOL

PROJECT DESCRIPTION

This project involves the rehabilitation and extension of the Tri-th-Saint-Léger municipal pool, incorporating a new cover made of ETFE cushions to bring brightness to the complex while ensuring its waterproofing as a cover.

The new cover consists of a total of 12 ETFE cushions with 4 layers, arranged in an inclined plane with a total width of 33m. The first 4 cushions are 19m long, and the remaining 12 cushions are 34m long.

This configuration covers a total area of 950m².

CHARACTERISTICS

Material	ETFE Film
Application	Infrastructure and equipment
Surface	19 x 11m + 34 x 22m
Location	Trith-Saint-Léger
Architect	Agence M.P. Bouchez
Year	2018

TECHNICAL DATA

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

The ETFE cushions have four layers, with the upper layer featuring a design of 4.2mm aluminium coloured dots, covering a 65% of the entire surface. The thicknesses of the ETFE membranes are 100, 200 and 300 microns.

The edge of the roof is made using a sandwich of insulation and sealing, finished with lacquered aluminium flashing on top and a sealing membrane underneath.

Both elements are completely integrated into the roof to guarantee its watertightness.

The sockets on the roof's edge, which attach the frame to the concrete support structure, have been specially designed to be able to house the mobile supports for a handrail which allows maintenance to be carried out.

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