



ÉCOLE CENTRALE SUPÉLEC

PROJECT DESCRIPTION

Centrale Supélec is a college in Châtenay-Malabry, France, which stands out for its capacity for development both in its educational offer and its research activities to adapt to the times. The college contains two buildings to accommodate the students, one for their world and one for the world of research. This project has aimed to be true to this avant-garde of modernity in renovating the French engineering school. For this purpose a Ferrari Flexlight elastic membrane cover has been installed together with ETFE cushions at the back to improve the thermal and acoustic comfort in the college's new building.

CHARACTERISTICS

Material	Others
Application	Infrastructure and equipment
Surface	4.700m ²
Location	Paris
Architect	Oma
Year	2017

TECHNICAL DATA

The structure to cover the CentraleSupélec college is made up of two parts. The top part is formed out of a tensile FX901 diaphragm which seals the roof, and below this, ETFE cushions with double translucent films have been installed. These cushions stand out for their resistance, lightness and transparency. This has achieved the transmission of natural light to the inside of the building. It also confers a singular innovative style.

Between the two complexes making up the structure is a pressurised air chamber which improves the thermal and acoustic behaviour of the roof. The circulation of dry air within the chamber prevents condensation from forming inside it.

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