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URIA STREET ACCESS (OVIEDO STAIRS)

PROJECT DESCRIPTION

This project involves the manufacture and installation of membranes to cover the new structures built to improve access to Plaza de los Ferroviarios from Uría Street.

The two newly installed escalators and the new panoramic lift connecting Plaza de los Ferroviarios with Uría Street are covered.

The escalator canopies consist of rectangular metal structures, each measuring 3.24 × 26m and reaching a maximum height of 5m. For the lift tower, independent membranes were installed on each face, measuring 2.5m / 1.8m wide × 10.22m high.

The membrane uses a single-layer screen-printed ETFE film system that offers transparency while protecting against the elements.

At night, the structures will be illuminated with lights that can change colour.

CHARACTERISTICS

Material	ETFE Film
Application	Urban spaces
Measures	Stairs: 3,24x26m x 2 canvas Lift: 2,15x10,22m x 4 canvas
Location	Oviedo (Asturias)
Architect	Arturo Suárez Alonso
Client	TK Elevator
Year	2023

TECHNICAL DATA

STAIRCASE MEMBRANES

The staircase structure is made of metal profiles with a square tubular section, forming various triangular planes that create small pyramids. The covering of these structures is achieved with a single 250-micron thick, silver-grey printed, single-layer ETFE membrane. At the lower points of these pyramids, the membrane is fixed to the structure using stainless steel rods and straps. Perimetral fastening is done with a white lacquered aluminium keder-type profile.

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ELEVATOR TOWER MEMBRANES
Five façade membranes are installed on the elevator tower structure, made of 250-micron thick single-layer ETFE. Each membrane consists of different triangular panels alternating between transparent and silver-grey printed ETFE, matching the diagonals of the structure and creating the visual effect of independent membranes. These membranes are fixed along their perimeter with white lacquered aluminium keder-type profiles.