



VILLA DE LAGUARDIA HOTEL

PROJECT DESCRIPTION

The Villa de Laguardia Hotel extended its activities to a new area for spa and wellness. The water area is characterized by its ETFE transparent covering. Luminosity and the feeling of being outdoors are the most important qualities of this new space. The new space at the Villa de Laguardia Hotel, in Álava, is defined as a zone of comfort and tranquillity for its customers.

The modern materials mix with the classical elegance of the hotel. The LEDs create dynamism and luminosity in the space. The ETFE material used for the semicircular covering blends the entry of light and solar radiation, by printing one of its layers. Its geometry shaped arches, which rise from the upper terrace and are supported in the garden, contribute an interior volume that together with its great transparency to the outside environment, spread the rest and relaxation pursued by the clients.

CHARACTERISTICS

Material	ETFE
Application	Hostelry
Surface	500m ²
Location	Laguardia, Álava
Architect	Felipe Saez de Gordoá, SGA
Year	2009

TECHNICAL DATA

ETFE triple-layer cushions of 250 microns printed / 250 microns transparent. ETFE cushions allow climate control inside the new zone.

IASO puffy cushion system

It is constructed with two or more closed ETFE laminates in its perimeter and supported with a perimeter anchorage system. Requires an air inflation system in low humidity and at low pressure (250 Pa), which is produced by a unit consisting of fans and air distribution ducts.

IASO solar control system cushions, which by movable intermediate layers and with an upper layer and printed

intermediate to modify the passage of light and solar radiation.

What is its dimension?

Normally the circular or square geometry cushions have maximum dimensions of 7.5m and rectangular cushions should not exceed 4.5m. The cushion length can reach 40m. The dimensions can be increased by introducing reinforcement with mesh wire or other materials.

IASO® Better Outside

TEXTILE
ARCHITECTURE



What anchoring system is used?

The cushions are set at the perimeter contour through a system of extruded aluminium profiles. The air tightness of the system is ensured by rubber gaskets.

What are its design possibilities?

Applications with ETFE sheets allow for unique and imaginative shapes in coverings as well as facades. It enables making imaginative and unique shapes and geometries. The main support structure must be able to be inspired by the planned design of the ETFE enclosure, collaborating with it as it were.

