

Special Mention. Architecture Category.

Ferrobús Sports Hall (Palma del Río, Córdoba, Spain)

EOVASTUDIO

Photography: Fernando Alda

DESIGN REPORT: FERROBÚS SPORTS HALL

The project to renovate and improve FERROBUS Primary School's sports hall in Palma del Río, in the province of Córdoba, is aimed at creating sustainable, versatile community facilities. From a social point of view, the project stands out for its flexible solution to the project brief since the sports hall can host different sports activities and events, not only to the benefit of the school but also to the advantage of the social fabric of Quinto Centenario, a disadvantaged neighbourhood of Palma del Río.

The idea is to create a multipurpose sports hall that can act as an inclusive community meeting point, fostering participation and a greater sense of belonging.

In terms of sustainability, the project stands out for its energy efficiency and integration into the local backdrop. It seeks to optimize the existing metal structure, with a building envelope that combines glazed ceramic tiles, polycarbonate, and perforated trapezoidal metal sheets. This design not only complies with legislation and functional requirements, but it also helps to reduce the building's environmental footprint, demonstrating its commitment to sustainable building practices.

The building's main envelope has a slat-like design. It is made up of a series of extruded stoneware slats, each 150 cm long, in a glossy glazed white finish, vertically fixed to an inner metal subframe. The ceramic slats are vertically installed in groups of three, with each 450cm-long group covering an area of about 50 m of the main façade, contributing to the sports hall's image as an elegant landmark in the town.

This use of ceramic materials reflects the commitment to thermal and acoustic efficiency, while also giving priority to ventilation and natural light and hence reducing the dependence on auxiliary systems for thermal comfort. This highlights the sensitivity to environmental sustainability, seeking to minimize the building's environmental impact.

To guarantee the sports hall's durability, the main façade is reinforced with resistant materials to protect the building from possible vandalism. The colour scheme of the sports grounds ensures an additional visual appeal, creating a stimulating, attractive setting for users.

Ceramic materials used in the project

Tempio – Cerámica Mayor (Baguette B0-5x16 cm)