

PHOTOSYNTHETIC & MICROBIOLOGICAL LABORATORIES

A NEW SAFE AND FUNCTIONAL WORKSPACE FOR THE UNIVERSITY OF FLORENCE

Technological innovation in the field of wooden constructions allows today to create structures used for functions that require high standards of safety and resistance. Precisely for this reason we used the Xlam system to build the new Photosynthetic & Microbiological laboratories in Sesto Fiorentino, the spin off of the University of Florence active in the field of photobioreactors, food and feed, cosmetics and fuels. We were thus able to create a building consisting of a ground floor with mezzanine areas, characterized by high fire resistance, rapid drying of the surfaces and good acoustic insulation. Furthermore, the Xlam panels have made it possible to obtain a structure capable of withstanding high loads and having excellent anti-seismic characteristics.

PRODUCT SPECIFICATION

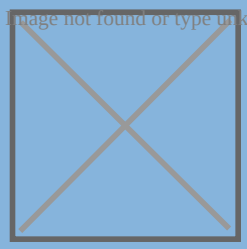
Scientific laboratory Timber apartment block

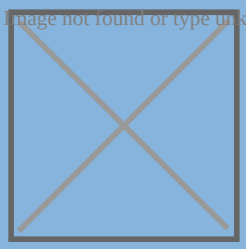
Localization: Sesto Fiorentino

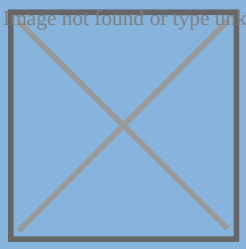
Intended use: Schools

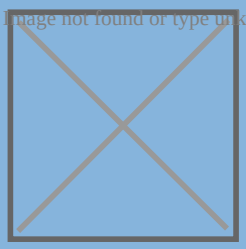
Architetural and structural design:

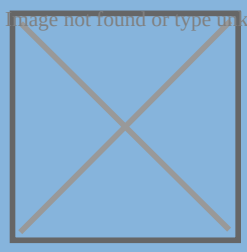
Total area: ft





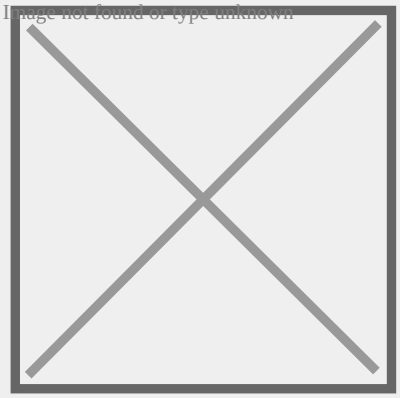






BUILDING SYSTEM

XLAM



Reasons for choosing the Xlam system

The Xlam system is a technical innovation in the construction of timber homes and buildings. The system's exceptional versatility allows the creation of a wide range of architectural constructions, including multi-storey **timber buildings**. The system assures **optimal thermal insulation** and a high level **of fire resistance**, a fast drying process and exceptional **acoustic insulation**.

About the Xlam system

The Xlam panel is composed of crossed layers bonded together, making the construction system extremely **versatile**. Composed of 99.4% timber and 0.6% adhesives, Xlam is considered to be a monolithic material **capable of supporting very high loads and withstanding external stresses and seismic activity**.

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