

CASE STUDY

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Pyroguard supports refurbishment of Nuestra Señora del Pilar a Psychosocial Rehabilitation Centre



To deliver the very best levels of care to patients, health facilities require particular characteristics. As well as meeting necessary legislative requirements and stringent fire-safety codes, functional, light-filled spaces are also needed to provide privacy and practicality while elevating levels of personal wellbeing – both for patients and staff. These were the core challenges for the Department of Health of the Government of Aragon when undertaking a full refurbishment of the Nuestra Señora del Pilar a Psychosocial Rehabilitation Centre.

Forming the centrepiece of the new facility is a twentieth-century three-storey building which – through a complete refurbishment – will serve as a multi-functional space to provide patient living areas, therapy rooms, nursing areas and office space. Under architectural heritage protection, the building's renovation would require thoughtful planning to appropriately modify the building for its modern needs while retaining its unique architectural character.





To achieve this intricate balance between functionality, safety and design, material specification was key to the project's success. As a broadly-used material in modern construction, glass was selected to equip the facility with functional and fire-safe spaces for its diverse variety of needs, in addition to enabling natural light to flood each room and enhance the wellbeing of occupants.

Specification: putting people at the heart of design

As a cutting-edge medical facility, Nuestra Señora del Pilar a Psychosocial Rehabilitation Centre now provides an additional 35 beds for patients at any given time. Given the potential for patients to have limited mobility, combined with the dozens of staff providing round-the-clock care, the building not only has a high-occupancy, but one which requires adequate means of escape in the event of a fire to ensure the safety of patients, staff and visitors alike. Alongside this, supporting the wellbeing of occupants through enhanced levels of natural light further

strengthens the facility's ability to provide adequate care for patients.

To fulfil these unique requirements, Pyroguard was able to provide more than 60m² of Pyroguard Protect T-EI120/47-3 and Pyroguard Protect T-EI60/25-3 for use in a series of fire doors and partitions throughout the building. Providing resistance to flames, smoke and radiant heat for up to 120 minutes, the toughened solution – specified by Eurofire – fulfils the fire-safety requirements of the project by protecting critical escape routes, while facilitating the modern design ambitions of the refurbishment.

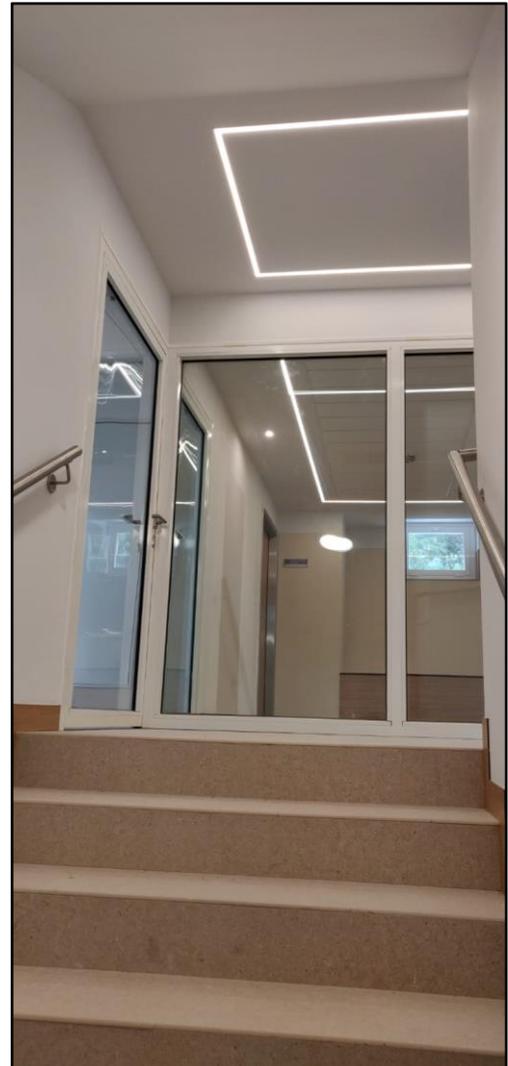
In practice, the inclusion of glazed fire doors and partitions throughout the building does more than fulfil fire safety requirements. With its additional qualities – including acoustic protection and high levels of light transmission – Pyroguard's solution supports the broader wellbeing requirements of the refurbishment.

The results

With the project nearing completion, renovation of Nuestra Señora del Pilar a Psychosocial Rehabilitation Centre showcases the country's commitment to delivering the highest levels of care through purpose-design environments which truly put the wellbeing of people at their heart.

Speaking of the project, Emmanuel Garcia Guêtre of Eurofire, said: ***“In modern care, the physical environment can have a significant impact on the health of patients. With the inclusion of glazing throughout the building to heighten levels of natural light, this project perfectly demonstrates that and showcases a more holistic view to modern care practices.*”**

“As we were responsible for supplying and installing these solutions throughout the building, working with Pyroguard to ensure the most appropriate glazing was used streamlined the process. Of course, as well as installing the most appropriate solutions to meet the project's specific needs, getting that work done on time was of critical importance. To support this, Pyroguard was able to provide technical support during installation, as well as delivering on excellent lead times.”



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