

HORMIPRESA Innovative Solution

The Company: HORMIPRESA was founded in Tarragona (Spain) in 1972 with the hope of offering precast concrete building design, production, and assembly. With the passage of time, consistency, and good work, Hormipresa has established itself as a benchmark company and leader in the European sector. With more than 50 years of experience behind, the company specialized in the prefabrication and construction of industrial buildings, logistical facilities, multi-story car parks, offices, schools, hospitals, and medium-rise residential buildings. Nevertheless, the development of timber construction and particularly the emergence of CLT has opened a new horizon of Hybrid construction for the company, which is now one of the pioneers in offering this new line of solutions.

The Technology: “Hormipresa Hybrid Wall”

Description: A new precast insulated hybrid sandwich bearing wall, comprising three different layers:

1. **Outer architectural layer** made of white fiber reinforced concrete with low clinker content, contributing to aesthetic, robustness, durability, fire protection, and sound insulation. (5 cm thick).
2. **Intermediate layer** of insulating material, usually either rock wool or glass wool. (9 cm thick).
3. **Inner structural layer** made of Cross Laminated Timber (CLT), which helps to significantly reduce weight and CO2 footprint and weight when compared with the original concrete solution. (10/15 cm thick).



Possibility of different openings and a wide range of sizes, for both industrial and residential buildings

Added value comes from:

- Facade incorporated to the panel. In-situ finishing works are avoided. White concrete needs no painting or maintenance.
- Less weigh and CO2 footprint when compared to concrete solutions, but with similar structural performance in low and medium-rise buildings. Compatible with hollow core concrete floors.

