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fermacell Project & Solution

Casa ZII, Paratico (Brescia), Italy

- Private dwelling with a pre-fabricated wooden framework structure erected in situ.
- 350 m² of **fermacell** Gypsum Fibreboard 12.5 mm thick, 240 m² of **fermacell** Powerpanel HD
- Project completed in 2012

Casa ZII

The Project

The dwelling is situated in a built-up area directly overlooking the shores of Lake Iseo. The architectural composition consists of the superimposing of simple volumes: three regular parallelepipeds destined for the living areas are superimposed on a fourth reinforced concrete structure with a fair-face finish that is intended for the garage. All the dimensions respect rigorous geometrical ratios in the plan view and in elevation creating a marked sense of harmony for the viewer. Each structural space comprising the



building is placed at a different height and is intended to be used for a specific purpose. The intention of the designers, architects Paola Belussi and David Moriggia, was to create a clear correlation between the exterior and the internal organisation of each level.

Project Requirement

The aim of the project was to fulfil the potential of the site, with its unique setting, that had been neglected to the point of having a mechanical workshop on the plot that had been disused for years.



From the construction point of view, the residential areas were made from a pre-fabricated wooden framework built in the factory and erected on site in a few days. The heating consists of underfloor radiant panels, while controlled mechanical ventilation ensures a high level of comfort as well as a considerable saving in energy.

Solution

The finishings and distribution walls in the internal spaces consist of **fermacell** Gypsum Fibreboard walls, double walls and suspended ceilings. In this instance, the cellulose fibre and gypsum panels were chosen on account of their mechanical properties: they act as both finishing panels and bracing elements for the wooden framework construction. The external facades were constructed using **fermacell** Powerpanel HD concrete panels and finished with a dark grey and white rendering.

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Overview	
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