



Photography © Atelier XYZ, courtesy of Mapei

Botticini + Facchinelli ARW

## Claw House A Technological Villa between the Mountains and the Lake Iseo, Brescia, Italy

Located between the Adamello mountains and Lake Iseo, Claw House is 150 sq. m, standing on a green hill in the Cremignane district of the town of Iseo, in the northern Italian province of Brescia, with an expansive view of the Torbiere del Sebino nature reserve. The design was the work of Botticini + Facchinelli ARW and the integration into the surrounding landscape is clearly the dominant characteristic. The building has two floors, one at ground level and one below, and it is laid out in an irregular C-shape that somewhat resembles

a crab's claw. This choice was partly driven by the desire to have views of the varied surrounding landscapes. For example, the living area looks onto the imposing mountains, while the bedrooms enjoy tranquil views of the lake through continuous glazing. Technologically advanced and not lacking comforts, the house has an A+ Gold energy rating and it was built using a recyclable, sustainable prefabricated system that combines wooden panels and concrete products from Wood Beton. The innovative mechanical ventilation

system is central to this, with an integrated dual-flow heat pump with thermodynamic recovery. Photovoltaic and solar panels are placed in the garden, facing south, while exterior roller blinds protect the large windows.

Mapei's involvement in the project was to waterproof the concrete on the roof, which it did with Purtop System Roof as it has excellent crack-bridging properties (meaning it can resist any expansion of cracks in the substrate without deterioration) and it dries quickly. In this case, the cornerstone for the waterproofing was Purtop 1000, a two-component, solvent-free, pure polyurea membrane applied by spray with a high-pressure, bi-mixer type pump. Plus, the floors in the house and the walls of the bathrooms were made with Ultratop Loft cementitious paste, which can be used to create thin continuous surfaces with a trowel or nuvolato-effect finish.

### MAPEI

Via Cafiero, 22 - I - 20158 Milano

Tel. +39 02 376731

E-mail: [assistenza@mapei.it](mailto:assistenza@mapei.it) - [www.mapei.it](http://www.mapei.it)

