

Uponor involvement

Climatización Invisible por suelo radiante (calefacción y refigeración) | Uponor Klett Autofijación

Villa Ayantam, awarded a BREEAM EXCEPTIONAL certificate at the design stage with the highest score ever recorded in Spain

Its design, which efficiently maintains optimal living conditions and comfort, has earned it a BREEAM EXCEPTIONAL certificate at the design stage, achieving the highest score ever recorded in Spain for a residential project.

Uponor has contributed to the project with its 'Invisible Climate Control' underfloor heating and cooling solution, the Uponor Klett Self-Fixing system



Project Facts:

Location	Completion
Urbanización Cascada de Camoján (Marbella), Spain	2024

Building Type

Single family home

Partners

Promotora: S&H Sun Coast Real Estate

Arquitectura: OÖD Architects

Ingeniería: Peláez Ingenieros

Instaladora: Ingemantec

Constructora: Aryon Buildings

Understanding luxury as a matter of health and sustainability



At S&H Sun Coast Real Estate, they view the achievement of the BREEAM EXCEPTIONAL certificate—with the highest score ever recorded in Spain—as "confirmation of a highly ambitious initial commitment made over three years ago, when we were beginning to return to a degree of normality following the pandemic. The commitment to sustainability and health was

reflected in the very name of the development company (S&H, Sustainability & Health); we understood that the ultra-luxury property sector, particularly in a location such as Marbella, was going to move decisively towards these values".

"Villa Ayantam's achievement of this certification has been made possible by the creation of an ecosystem of solutions and 'a team firmly committed to the value of sustainability, which has not been deterred by the numerous technical and financial obstacles we have encountered during the development of the project'," the developer states.

Villa Ayantam minimises its environmental impact through design, construction and operational practices throughout its entire lifecycle, from the extraction of materials to its eventual demolition. Energy efficiency is achieved through a design strategy and technologies that reduce the building's energy consumption, both in terms of heating, cooling, lighting and other systems, and during its operational phase. For water management, measures have been implemented to minimise consumption and reduce pollution, and a commitment has also been made to selecting construction materials and finishes that meet sustainability criteria, such as the use of recycled, low-environmental-impact, renewable or certified materials from recognised organisations.

The Value of Invisible Air Conditioning

S&H Sun Coast Real Estate notes that "the Uponor solution operates quietly and discreetly, without fans or radiators to generate annoying noise, which contributes to a calmer and more relaxed atmosphere". Furthermore, it promotes greater energy efficiency: "Due to the even distribution of heat and cool air, and the ability to operate at lower temperatures than other heating systems, Uponor's underfloor heating can be more energy-efficient, which can result in significant savings on energy costs in the long term," according to the developer.

The Uponor Klett Self-Fixing Invisible Air Conditioning and Hot Water Systems at Villa Ayantam are powered by two air-source heat pump units, one outdoor and one indoor.



> "Uponor is strongly committed to sustainability and environmental responsibility. Its underfloor heating systems are designed to be energy-efficient and environmentally friendly, helping to create more sustainable and eco-friendly buildings"
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> S&H Sun Coast Real Estate