

# Case Study

## Kingfisher House

Kingfisher House  
Currumbin  
QLD 4223  
Completed 2024



### Project Type:

Single house, new build project

### Window Styles:

Awning, Sliding & Raked

### Window Quantity:

38 units

### Window Colour:

Ceylon C 34 N

This project was featured in Open Homes Australia and received resounding praise from architects, builders, and the homeowners who spent two years finding suppliers who had the same passion for creating their energy efficient home.

“We wanted a really beautiful, luxury, Gold Coast home that looked unique yet has really good sustainable credentials”

The owners wanted to incorporate materials that have been manufactured and produced using sustainable methods. “The house has a mission: we really wanted to show people that you don’t need to compromise on what you think is beautiful or aesthetically pleasing. You can have that form, and still have sustainable functionality”

Incorporating energy efficient, double glazed windows, with thermally broken uPVC frames - manufactured and installed by Energy Efficient Windows - was a significant contribution to achieving the extraordinary energy star rating of 9.1.

Builder:  
Kai Konstruct

Architect:  
PTMA Architecture

Window Supplier:  
Energy Efficient Windows



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Large, raked windows have been used to achieve a unique façade while keeping the home as open as possible.

The large, double-glazed, windows give unobstructed views of the lush Gold Coast hinterland that surrounds the home, while delivering high energy efficiency.

The 9.1 energy star rating, achieved on the project proves that uPVC is an incredibly important feature of home builds.



The use of the latest solar glass and uPVC frames dramatically reduce external noise in, and allowing for the home to be carbon neutral was particularly important to the homeowners.

Environmental consciousness was a large factor in the planning the project, and allowed for Brisbane-based, Energy Efficient Windows, to demonstrate that luxury and sustainability can coexist.



Average  $U_w$  value: **1.6 W/m<sup>2</sup>K**

Average Solar Heat Gain Coefficient: **0.45**

Energy Star Rating: **9.1**