

Ideal House 23 Reliance Crescent Beachlands

OPEN 11am-4pm
Saturday 29th, September 2018

PROJECT MANAGER: ENVELOPED
Section Size: 860m² Floor Area: 254m²
8 Star Design Rating



Key Features:

- 8 Homestar Design rating / 9* Built rating
- 2nd Passive House Plus Certified Home in NZ
- Air-tightness 0.45 air changes per hour at 50 pascals
- 8kW grid tied PV system (32 panels) with electric car charger - home produces around twice the power it consumes
- Over slab floating floor system on rubber cradles (insulation, services and ergonomic benefits)
- Double skin timber walls with intello
- High stud with vaulted ceilings, 2.4m internal doors
- Triple glazing, uPVC joinery from Europe
- Whole home balance heat exchanged ventilation system
- 50,000L underground water storage and filtration system



Enveloped



GROUND FLOOR



FIRST FLOOR



The Ideal House is a 4 bedroom, 2 bathroom, 3 living area family home located in Beachlands, South-East Auckland. It was designed to be an educational show-home for two years during which time it was opened every two weeks to showcase high performance building.

The home was completed in 2014, and is certified as Passive House Plus and has a 8 Homestar Design rating, with the built rating (either a 9 or 10) about to be awarded.

The home produces around 35% more power that it consumes over a year and can maintain 20 degrees all year without any heating, and also enjoys low humidity and CO2 levels due to its balanced heat exchanged ventilation system and other technologies.

www.idealhouse.org



What is the **SUPERHOME** movement?

SUPERHOME MOVEMENT is creating awareness for homeowners, builders and designers, triggering behavioural change in decision making on designing and building superior homes. The current building code describes the lowest possible building standards that are legally permitted across New Zealand. BRANZ research shows that building code is universally mistakenly used as the target quality standard rather than a legal minimum. Code minimum does not present satisfactory levels of comfort, health and wellbeing, nor efficiency in regulating heat and energy consumption.

SUPERHOME MOVEMENT provides open source sharing of new design ideas, technologies and building techniques; connecting leading experts in the industry with each other and the wider community. Collaborating to provide better value for money, superior designed and resiliently built, environmentally sound homes that are more energy efficient, healthier, warmer & dryer.

We can easily build low energy or energy positive buildings that are much more sustainable by changing from mainstream building methods and techniques. We will be financially better off, healthier and happier living in a **SUPERHOME**. It is a myth that it is too expensive.

www.superhome.co.nz

