

20,000 homes confirmed. Why are more and more homes registering for Homestar®?



Building code

- This is the minimum standard. It is set at a low level relative to other countries.
- Our R-values, a measure of heat loss from our ceilings, walls and floors, are 50% worse than many countries.

International commentary includes:

“The New Zealand Building Code is below the standards required in most IEA countries with comparable climates.”

- **International Energy Agency**, *Energy Policies of IEA Countries 2017 Review, 2017*

“Government should consider modernising the Building Code; its building standards are less stringent than those of many OECD countries.”

- **OECD**, *Environmental Performance Review of New Zealand 2017, 2017*

“The typical sustainability of New Zealand’s housing stock is compliant with the requirements of the building code.”

- **BRANZ**, *BRANZ Study Report 2011*

Vs



- ✓ Developed with industry to help improve the quality and health outcomes.
- ✓ Homestar® homes are:
 - warmer, healthier and drier
 - heated efficiently
 - independently verified as performing better than the building code
 - water efficient
 - marketable as better quality homes

✓ You will save considerable amounts over five years

6 homestar Built	8 homestar Built
Saving \$2400	Saving \$8,000
1,900 kg of carbon emissions	6,000 kg of carbon emissions
113,000 litres of water	230,000 litres of water



Additional benefits

Many NZ communities are impacted by flooding. Homestar® encourages the reduction of storm water run off lowering the likelihood of flooding for you and your community.

Construction and demolition waste makes up half of New Zealand’s total waste going to landfill. Homestar® rewards the reduction of construction waste, reducing 2-3 tonnes going to landfill for every home. Less waste to landfill means millions less tax payer dollars building landfills.



Is Homestar® v4 a completely new tool?



homestar®
v4

YES! The tool was completely re-engineered to make it simpler for builders or architects to verify that your house is of good quality.

Version 4 means:

- **Volume can be done at speed** – as a builder or developer you can have the NZGBC pre certify your plans saving you 20-50% of the time and costs of getting homes verified and providing you more certainty.
- **No modelling** – R-values are set out. You can refer to these rather than undertaking energy modelling for Homestar® 6 and 7.
- **Slab edge insulation** – is not needed in Auckland, Coromandel or Northland for six star homes.
- **Less fiddly elements** – if you deliver good insulation, ventilation and heating then it is possible to get to six star without fiddly extra things (ecology, inclusive design or worm farms) saving you time and effort.
- **Less evidence required** – saving your assessor time and energy.
- **A one page checklist can be used** – to check against six or seven star without going through the whole technical manual.

There are multiple pathways. If you cannot deliver a good thermal envelope you are still able to use additional elements such as ecology or inclusive design to make up points.

Benefits for NZers

Where all new homes are Homestar® six star New Zealanders will save \$360m over 5 years and an additional \$150m each year after.

Better homes, proven.
Kāinga pai ke atu, tūturu.

“Warmth and comfort is increasingly important to clients and families in homes, especially in cold weather. Homestar® is a useful independent way to verify the performance of homes. It is great to see the tool becoming simpler to use. We look forward to using it.”

- Matt Lagerberger - Classic Group.



Next steps

Are you a builder or developer?

▶ **Ask us about volume certification** homestar@nzgbc.org.nz

▶ **Have you registered for an earlier Homestar® version? You can upgrade to v4 – get in touch** homestar@nzgbc.org.nz

Are you a buyer and you want a quality home?

▶ **Check our website for a list of builders that deliver to Homestar®**
www.nzgbc.org.nz/homestar