



Building BEYOND



BUILDING YOUR BEST HOME

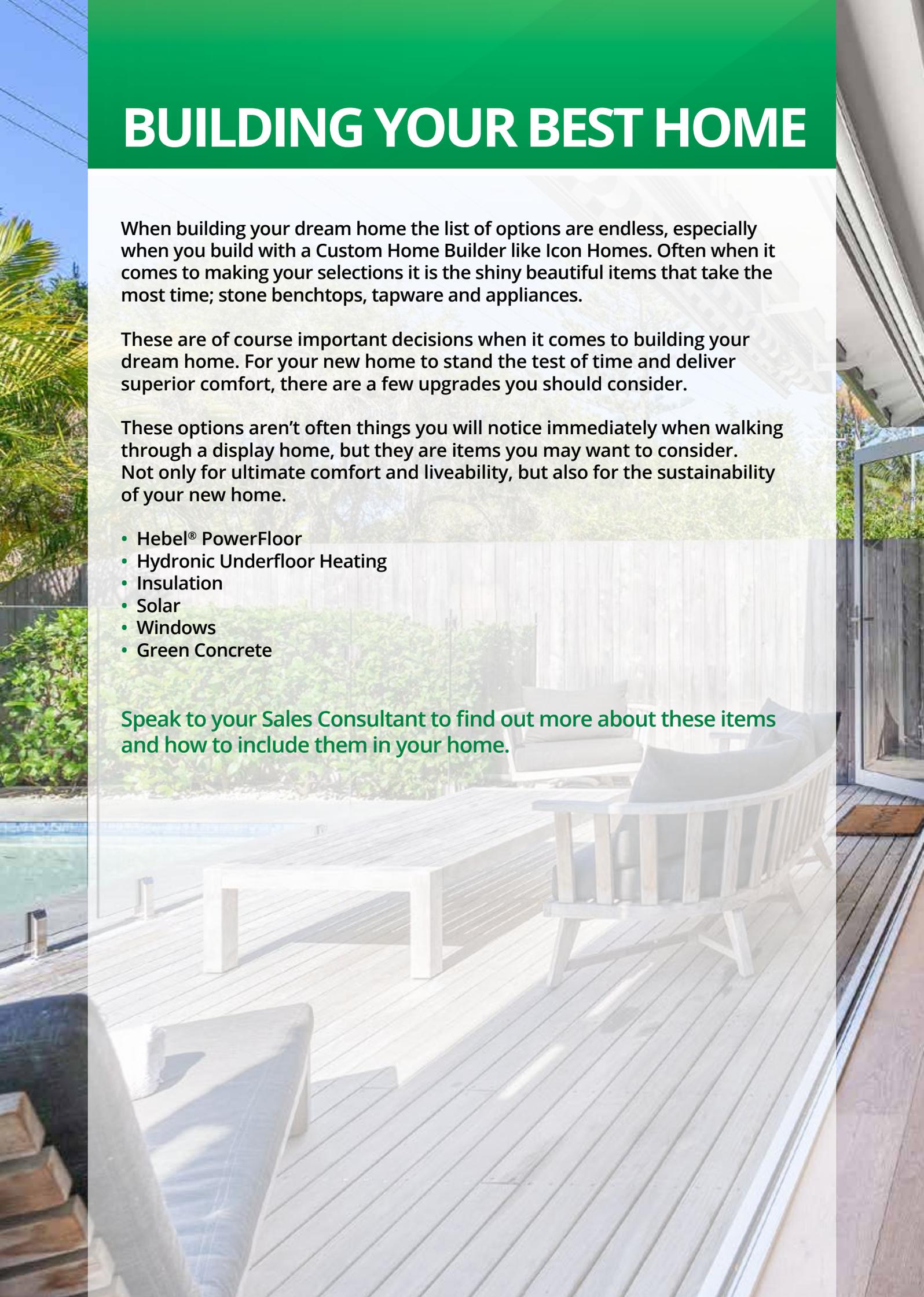
When building your dream home the list of options are endless, especially when you build with a Custom Home Builder like Icon Homes. Often when it comes to making your selections it is the shiny beautiful items that take the most time; stone benchtops, tapware and appliances.

These are of course important decisions when it comes to building your dream home. For your new home to stand the test of time and deliver superior comfort, there are a few upgrades you should consider.

These options aren't often things you will notice immediately when walking through a display home, but they are items you may want to consider. Not only for ultimate comfort and liveability, but also for the sustainability of your new home.

- Hebel® PowerFloor
- Hydronic Underfloor Heating
- Insulation
- Solar
- Windows
- Green Concrete

Speak to your Sales Consultant to find out more about these items and how to include them in your home.



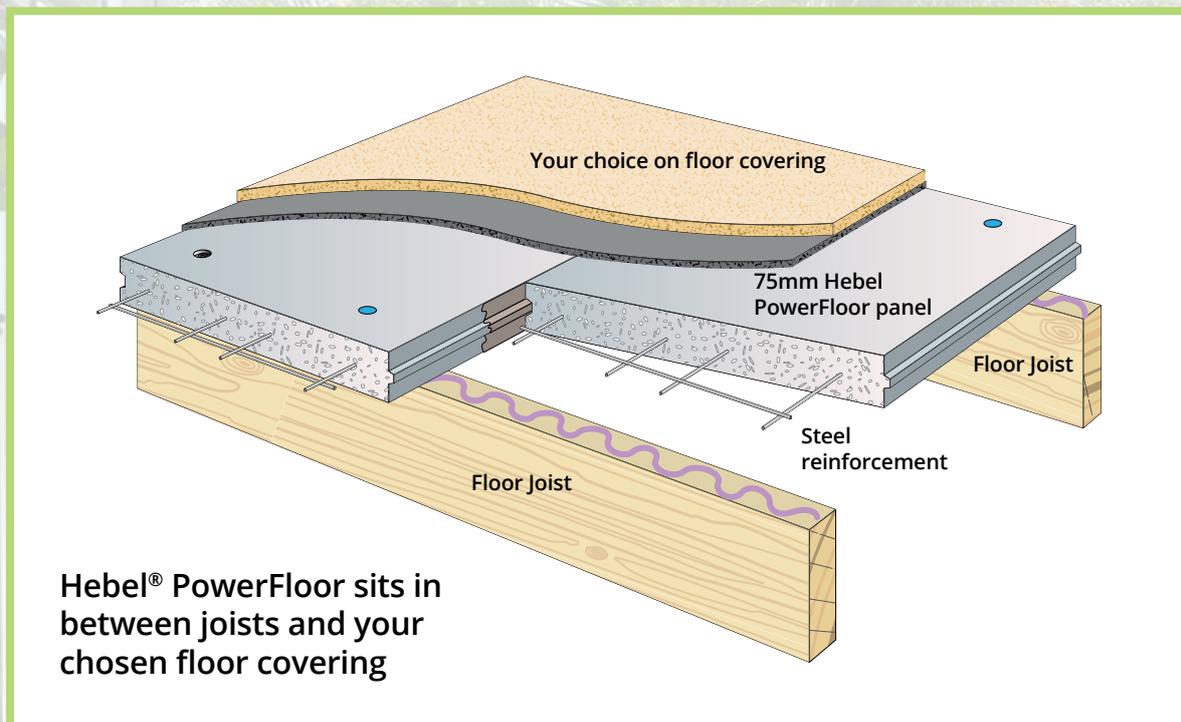


POWER FLOORING

Hebel® PowerFloor is an Australian made and owned system that offers exceptional benefits for homeowners, delivering the solid feel of a concrete floor at a lower cost.

The Hebel® PowerFloor system consists of 75mm panels containing steel reinforcement with an anti-corrosion protection layer, to ensure maximum strength and durability. These panels are installed over steel or timber joists to provide an outstanding flooring solution for suspended ground floors or mid-floors with excellent thermal and acoustic performance.

Once finished, the Hebel® PowerFloor system provides a solid base for just about any floor covering, without the 'squeak and bounce' associated with particleboard.





hebel[®]
powerfloor



CSR



HYDRONIC HEATING

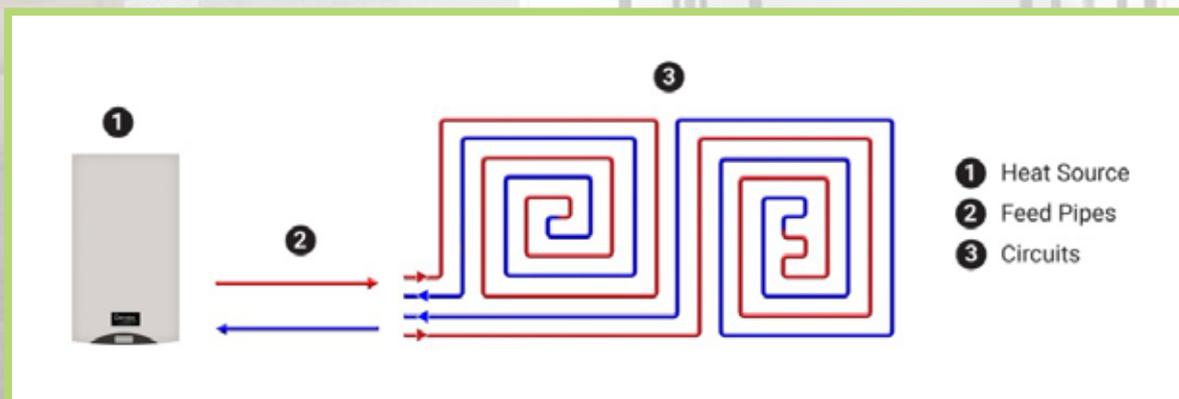
Hydronic underfloor heating is an energy efficient and sustainable heating solution that provides a gentle, warm and consistent heat that reduces the use of conventional heating such as air conditioners.

The system uses a sophisticated design where warm water is circulated through a closed circuit of intricate piping under the floor surface. It works well under several floor surfaces including stone, carpet, timber and a variety of tiles.

The installation can be powered by various heat sources such as gas boilers and heat pumps in addition to solar energy. The system can also be zoned to ensure low running costs and user flexibility.

FEATURES AND BENEFITS OF UNDERFLOOR HEATING

- ✓ Total comfort heating
- ✓ Minimal energy consumption
- ✓ Maintenance free
- ✓ Cost effective
- ✓ No ducts, radiators or vents
- ✓ Hidden from view and does not take up valuable space
- ✓ Can be applied under almost all hard surfaces
- ✓ Reliable service
- ✓ Silent and safe
- ✓ Adds value to your home
- ✓ Reduces allergens in the home



Devex[®]
systems
heating ex^xcellence



INSULATION

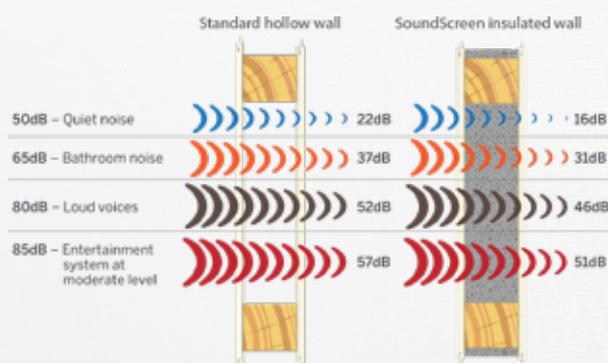
Insulation is used in the ceiling, internal and external walls and even floor joists to create an extra barrier between yourself and the weather outside.

Uninsulated homes can lose up to 35% of the heat in winter and around the same amount of heat can also enter your house during summer. Heating and cooling your house can be quite expensive and wastes a lot of energy, so it is worthwhile considering how to best insulate your home.

R-Values are the measuring tool we use to rate the level of thermal resistance. Essentially, the higher the R-Value the more effective the insulation is.

SOUNDSCREEN

As standard internal walls are hollow with a layer of plasterboard on each side, even moderate noise can transfer through. SoundScreen is a high-density acoustic insulation that fills this empty space, effectively absorbing unwanted noise. This is a great solution for areas such as media and living rooms, bedrooms, home offices and even between floors.



WALL SARKING

In addition to insulation, Wall Wraps are an additional layer of protection that shields your home from water-related weather damage, mould or rot, and minimise hot and cold draughts. Wall Wraps help to make insulation work more efficiently by providing that extra level of comfort to your home. Keeping it warmer in winter and cooler in summer.



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 **Bradford**[™]
more than insulation



envirose

SOLAR

Solar is a renewable energy that is growing in popularity. By adding solar onto your build, it can help increase the future value of your property whilst reducing your carbon footprint. Solar panels can also assist in decreasing your electricity bills by up to 80% and with the system being able to pay itself off within 3-4 years, it is a smart investment for any homeowner.

There are three main parts to a solar energy system:

1. SOLAR MODULES

Solar panels are installed on your roof and absorb the energy from the sun and transfer it to the solar inverter.



2. SOLAR INVERTER

The Solar inverter is installed onto your house and is what converts the energy into usable power for your home.



3. SOLAR BATTERY

Adding a battery is optional, but it is the best way to help get the most use from your system.

The battery stores any excess energy generated from your solar panels which can help to power your home during the night or early morning when energy cannot be converted. By including a battery in your home, it makes use of any left-over power and reduces the amount of power you may need to get and pay for from the grid.





LEESON TESLA



WINDOWS

Wideline windows have been expertly tested through the window energy rating scheme [WERS] and are designed to enhance the comfort of your home and reduce energy costs. The type of glazing that you choose will provide a different level of insulation and can be changed in either the Horizon, Ascend and Paragon ranges.

COMFORT PLUS

Viridian ComfortPlus™ is a laminated single glazed, Low E glass. It helps to provide year round comfort and is known as Australia's leading choice in single glazed energy efficiency. ComfortPlus™ can provide up to 39% better insulation than ordinary glass and similar solar control advantages to toned glass.

Low-E, or low-emissivity, glass is standard float glass which has an ultra-thin transparent coating on one surface that is capable of reflecting the sun's energy (infrared and ultraviolet light) coming through the glass, without affecting the amount of natural light entering your home. This works to keep the heat out in summer and reduce your need for home heating appliances in winter.

Features and benefits include:

- All seasons comfort
- Grade A safety glass for peace of mind
- Insulation and choice of solar control performance level
- Blocks 99% of UV penetration, reducing fading in furnishings

DOUBLE GLAZING

Double glazing, formally referred to as insulated glass units (IGUs), offer superior energy performance. They are made up of two glass panels separated by a thin layer of air or a nontoxic gas such as argon.

Double glazing effectively reduces heat transfer between the outside and inside of your home. In winter double glazing keeps the warm air in and in summer keep the heat out. The insulation properties of IGUs can actively save a significant amount on your heating or cooling bills.

Double glazing can also help to reduce outside noise by up to 60% compared to single glazing. Double-glazed products absorb more sound energy than standard single-glazed products due to the gap between the glass pane.

LOW E DOUBLE GLAZING

Low E glass can be used in conjunction with double glazed units to specifically enhance its thermal insulation. It achieves this by being positioned in the insulating unit with the coating on the glass surface facing the cavity.

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WIDELINE[™]
WINDOWS & DOORS

GREEN CONCRETE

Boral's Envirocrete® concrete is a lower carbon concrete product that contains supplementary cementitious materials to reduce the Portland Cement content. Envirocrete® replaces 20% – 40% of regular Portland Cement with industrial by products that share similar chemistry properties.

Greenhouse gases are released into the atmosphere during the production of Portland cement, therefore by substituting this out, it creates an immediate benefit for the environment.

Envirocrete® also uses manufactured sand which is a Green Star recycled material. This manufactured sand is a direct replacement for natural sand and prevents the need to extract natural resources. It is produced from quarry dust and altered during the production process to achieve a grading and shape similar to natural sand.

Boral carefully selects admixtures that are used to enhance the workability and early strength development of Boral Envirocrete® to help keep its structural integrity.

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BORAL®





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