

The eight FPB principles



Energy Efficiency

The cost of energy is rising, so Future-Proofing your home for energy efficiency makes good sense. With good insulation and efficient space heating, water heating, lighting and appliances in your home, you can significantly reduce your energy consumption, carbon footprint and, of course, your energy bills.



Health and Safety

Your home environment has a major effect on the health and happiness of your family. That's why Future-Proofing your home for health and safety should be a priority. Innovations like mechanical filtered ventilation systems and anti-allergenic carpets help ensure you and your family are kept safe in your home.



Quality Assurance

When designing a Future-Proof home, special attention should be given to quality assurance testing programmes for key components of the home. Insist on trained professionals correctly installing quality materials and products that meet NZ Standards and carry BRANZ appraisals or International Organisation for Standardisation (ISO).



Cost Efficiency

Life Cycle Costing simply means evaluating what a product or service will cost you over its entire lifetime. More expensive materials, with a longer life, can often work out to be a more cost-effective option than low-cost, short-life alternatives. Even though some materials look great when new, they may deteriorate in a relatively short space of time.



Resource Responsibility / Environmental Impact

When yesterday's buildings were designed and constructed there were no such things as water restrictions or high energy costs and there was little concern over volumes of waste. There is now enough scientific evidence that our lifestyles today at home and in the workplace, are having a major environmental impact on the earth.



Security and Home Technology

As we move further into the 21st century, home automation is an effective way to Future-Proof your home and increase your quality of life. Wireless technology can give you access to state of the art entertainment and information technology from anywhere in the home. From something as simple as a remote garage door opener, to something as advanced as a fully integrated, centrally controlled computer system, there's a FPB solution for all homes.



Space Management

In modern times we tend to accumulate more belongings and that's why space management is so important when Future-Proofing your home. You need to decide how you can make the best use of the space available to accommodate the demands of your family's lifestyle, whatever the size and style of your home.

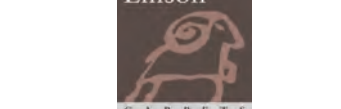
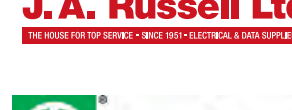


Sound Control

One of the most common problems a home faces is noise pollution. With the increase and advancement of video games, home theatre systems and computers, designers need to create individual spaces designed with optimum sound control.

FPB Partners

You can find contact details for these fpb partners at fpb.co.nz



Guide to Future-Proof your home

- Increase the value of your home
- Save money
- Live healthier



Future-Proof your home

A better home to live in now, that's worth more in the future. Future-Proof your home with your building, renovation and maintenance projects. For more information visit fpb.co.nz - it's the place to connect with tradespeople and find efficient, healthy product solutions for your home.

At fpb.co.nz you will learn how to:

Reduce energy costs

Incorporating products that improve the energy efficiency of your home will reduce your power bill and over time save your family money. FPB offer a selection of solutions that will ensure your home maximises natural resources and provide a comfortable home.

Protect your family's health

Your family spend much of their time in and around the home, it's important to provide a clean, dry and safe environment. Good ventilation, heating and security along with healthy interior finishes will ensure your home offers the best protection.

Increase the value of your home

Your home is one of the largest investments you will ever make, so it makes sense to improve its value where you can. Investing in features and solutions that provide a better living environment will make your home more desirable to potential future owners.

Deal with building consents

The building consent is the foundation document for any building project providing formal recognition that your plans and specifications meet performance standards. It will soon be a requirement that most building work will need to be signed off by a Licensed Building Practitioner. For updates register on the FPB mailing list.

Find a tradesperson

Visit fpb.co.nz and view our Trade Directory for a complete listing of recommended builders, plumbers, electricians, painters and architects in your region.

Select FPB products and solutions

FPB is aligned with a selection of market leading partners who share our vision for a better tomorrow. These companies provide innovative products and services that meet the criteria of our Future-Proof Building Principles and provide you with a better home to live in now, that's worth more in the future. For a full list of FPB partners visit our website.



Visit fpb.co.nz to use our Home Assessment Tool

How to use this Easy Guide

This is your handy guide to creating a home that's better to live in now and worth more in the future. We've highlighted all the areas you need to consider in your home and the Future-Proof Building solutions.

See our Quick Reference partner guide for Future-Proof Building Products and services on the back cover.

Heating, Ventilation and Insulation

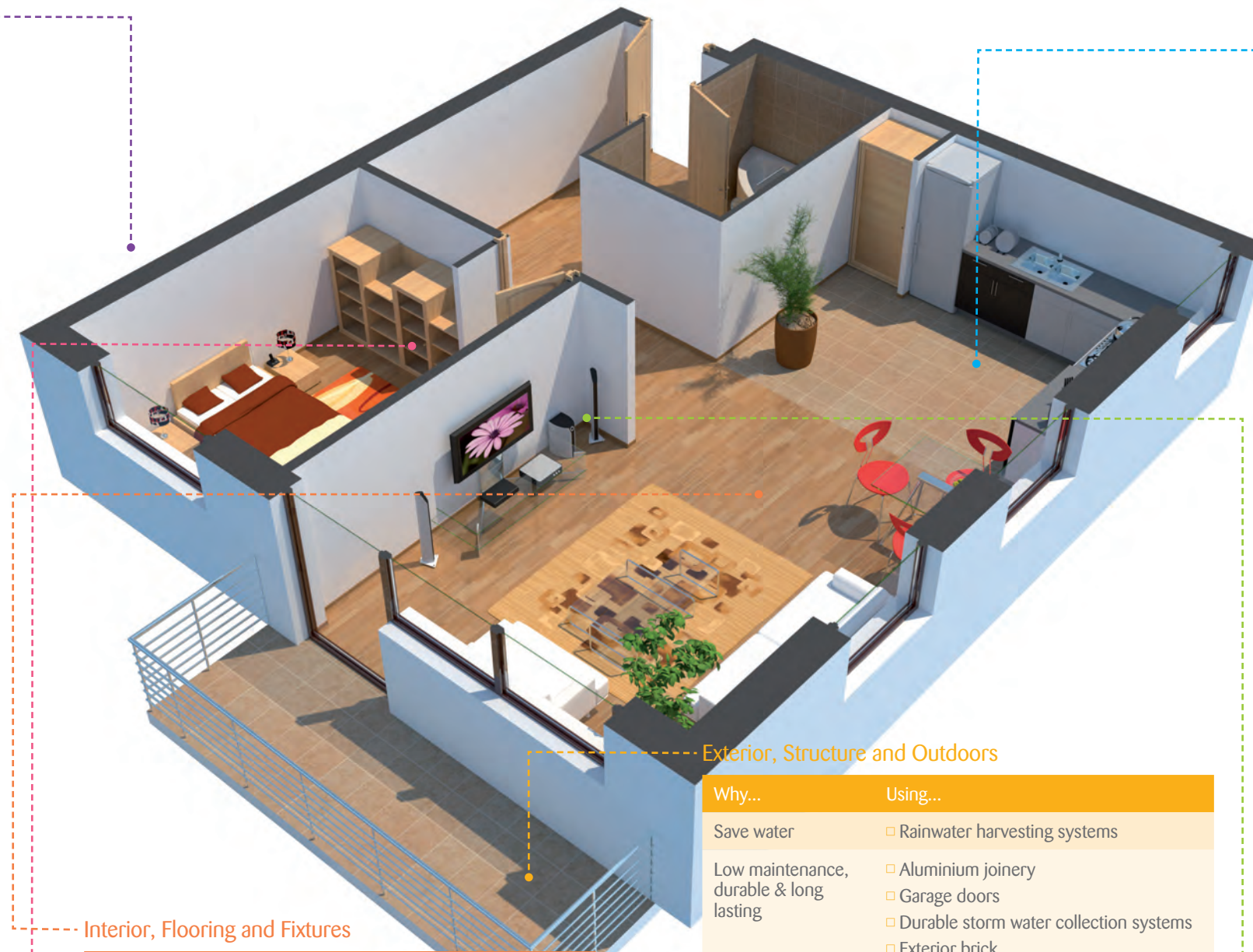
Why...	Using...
Healthy indoor air quality	<ul style="list-style-type: none"> Ventilation system Air conditioning Central Vacuum System
Efficient home heating	<ul style="list-style-type: none"> Heat pumps Air conditioning Window coverings Radiant heating Under floor heating Central heating Efficient convection heating
Maximise natural heat	<ul style="list-style-type: none"> Thermal insulation for all external walls & ceilings Sound and air control using double glazing Thermally broken aluminium Under floor insulation Thermal drapes Acoustic Insulation Sound control lining Insulate your garage door Building wrap Timber frame & truss 100% wool carpet and underlay
Efficient design	<ul style="list-style-type: none"> Thermal mass Double glazing
Efficient water heating	<ul style="list-style-type: none"> Solar options Hot water heat pump Instant gas Efficient electric storage Hydraulic boiler system Thermal water piping

TIP: 30% of a typical NZ household energy bill is attributed to water heating. A damp home requires more energy to heat – by reducing condensation you reduce your power bill.

Access, Storage & Security

Why...	Using...
Be safe:	<ul style="list-style-type: none"> Home networking to control access Camera technology allows you remote access & security for your home Keyless access is a convenient way to allow family access without the insecurity of many keys flowing around Secure door, window and gate hardware Secure pool gate, latches, locks & hinges Security fencing Alarm systems External lighting
Smart storage	<ul style="list-style-type: none"> Attic stairs to maximise storage space Smart kitchen storage and rubbish organisers External water heaters Wardrobe organisers Full height sliders to wardrobes External water heaters

TIP: Monitored alarms can cost you as little as \$1 per day.



Interior, Flooring and Fixtures

Why...	Using...
Reduce Asthma & Allergies	<ul style="list-style-type: none"> Mechanical Ventilation system Low VOC Paint Central Vacuum System Fixed heating source Non-allergen harbouring flooring tiles
Reduce noise	<ul style="list-style-type: none"> Engineered timber midfloors that don't creak Carpet systems (carpet and a good quality underlay) provide a great sound barrier Acoustically efficient water system Noise control lining Floor covering and underlay Acoustic insulation Insulate internal walls
Aesthetics	<ul style="list-style-type: none"> Use of colour and texture finishes Carpet can add both colour and texture Apt. cove, scotia, skirtings & architraves Flued gas fire Wallpaper, blinds and drapes

TIP: Look for low or no VOC paint options when you are decorating to minimise the amount of volatile organic compounds released into your home. Improved air quality can help prevent headaches, asthma, nausea, respiratory complaints and allergic reactions.

Kitchen, Bathroom & Laundry

Why...	Using...
Save water	<ul style="list-style-type: none"> Low-flow tapware & showers Rainwater harvesting and grey water system Dual flush toilets Efficient appliances
Save energy	<ul style="list-style-type: none"> Energy efficient kitchen appliances Thermally efficient piping Instant hot/cold taps Efficient hot water heating
Healthy choices	<ul style="list-style-type: none"> De-zincified tapware Anti-scald mechanism included in tapware Non-toxic piping Underfloor heating options Domestic sprinklers Acoustic piping Sufficient ventilation
Maximise space	<ul style="list-style-type: none"> Smart storage design & organisers High quality hinges & drawer hardware Durable & easy clean cabinetry Rubbish organisers
Quality bathroomware	<ul style="list-style-type: none"> Easy clean options Durable materials
Waterproofing	<ul style="list-style-type: none"> Waterproof shower base solutions Use of a wet area substrate and lining Wet area friendly tile flooring systems
Safety	<ul style="list-style-type: none"> Task lighting

TIP: Self cleaning ovens have extra insulation so they keep heat in the oven which means less wasted energy and less cleaning.

Electrical, Lighting, and Home Technology

Why...	Using...
Light up your home using	<ul style="list-style-type: none"> An efficient lighting design Energy efficient bulbs and fixtures Natural daylighting options Sensor lights for safety and convenience
Wire-up using	<ul style="list-style-type: none"> Flexible switching solutions Personalised plan to suit your lifestyle Timers & thermostats for appliances
Technology requirements	<ul style="list-style-type: none"> Pre-wire at building stage for audio, data and central vacuum Wiring to a central hub Data distribution Automated zones

TIP: An average 3 bedroom home can save up to \$500 per year by using energy efficient lighting.

Don't miss the latest future-proof deals at fpb.co.nz

Services and Outlets

What to future-proof...	Where to buy...
Plumbing & Gas	Plumbing World
Timber frame & truss & Building Products	Carters
Tile Design Inspiration	Tile Warehouse
Quality flooring expertise & installation	Carpet Court
Energy efficient design & installation	Right House
Electrical & data supplies	J.A. Russell, Stewarts and Radcliffe
Electricity, Natural Gas & LPG	Genesis Energy
Colour inspiration for paint, wallpaper & curtains	Resene ColorShop

TIP: Our leading merchants stock a wide range of quality FPB products and have expert staff to help you make the right choice.

Who should I use?

Why...	Using...
Energy Efficient Electrician	Ecosmart Electricians
Electrical Compliance	Master Electricians
Quality assured painting, texturing & finishes	Registered Master Painter
Master Build Guarantee	Registered Master Builder

TIP: Find a quality builder, electrician, plumber, designer or installer and many more trades at fpb.co.nz.

Take the Home Assessment Tool



Use our Home Assessment Tool to learn how your home is performing and what you can do to – reduce your energy spend, and waste of natural resource and improve your quality of life for your family.

Visit fpb.co.nz today

Tomorrow's Showhomes

Tomorrow's Showhomes is a nationwide showhome initiative demonstrating Future-Proof Building products, services and solutions in a realistic environment – an actual family home. By visiting a Tomorrow's Showhome, you will be educated on many of the individual products that make up the showhome and the importance of Future-Proofing your home to ensure it is a better home to live in now, that's worth more in the future.

To download a Tomorrow's Showhome catalogue and locate your nearest showhome visit fpb.co.nz

Showhomes open now at: Ellerslie, Pukekohe, Wellington, Whangarei, Upper Hutt and Havelock North.



DISCLAIMER: This document is created by Construction Marketing Services Limited (CMS) for home owners and the building industry as a general guide to the principles of Future-Proof Building (FPB) - a concept shared by innovative building companies on how to build better homes. Whilst every effort is made to ensure the accuracy of the information, CMS does not accept liability for any losses or damages arising directly or indirectly from reliance on the information provided. CMS does not endorse the enclosed products or services and disclaims and excludes all implied conditions or warranties, including, but not limited to, any warranties of merchantability and fitness for a particular purpose. CMS gives no undertaking, representations or warranties in relation to any tradespeople referred to, or suppliers listed in the guide.

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How efficient is your home?

Use the Home Assessment Tool to learn how your home is performing and identify easy steps you can take to improve your family quality of life.

The Home Assessment tool works through:

Energy Efficiency

You might already have taken steps to make your home more energy efficient but there may be areas in which you could make further improvements, save money and be kinder on the environment.

Save energy on: Lighting, Appliances, Insulation, Heating, Solar Gain, Water Heating, Windows

Health & Safety

Many common health issues can be reduced by incorporating Future-Proof Building design and solutions into your home. Protecting your family by incorporating personal safety solutions will reduce the risk of accidents and ensure you have peace of mind and greater security.

Personal Safety Areas: Indoor Air Quality, Product Finishes, Home Safety

Resource Responsibility/Environmental Impact

There is scientific evidence that our lifestyles are having a major environmental impact. A key goal of Future-Proof Building is to minimise this impact. Choosing environmentally friendly products when we are building, renovating or improving our homes, recycling waste and using renewable resources all helps to protect the planet for future generations.

Resource wisely: Waste, Water



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