RETRO Fit
Double Glazing

DOUBLE GLAZING – LOW E

Get comfortable the easy way with RetroFit.

METRO
PERFORMANCE GLASS

TOITŪ CARBON REDUCE
ISO 14064-1 ORGANISATION

Red List Free

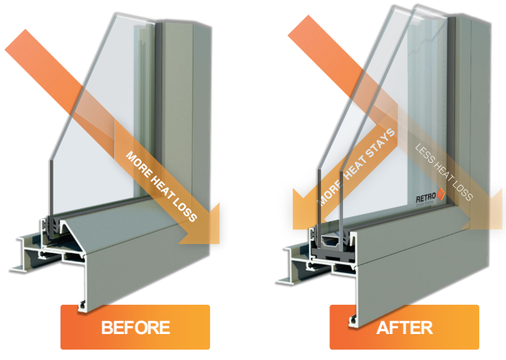
What is retrofit?

- Retrofit involves upgrading your existing windows by replacing exisiting glass and making minor adjustments to the frame to fit our energy efficient factory sealed double glazed unit.
- Retrofit is an affordable way to upgrade your existing windows without replacing them entirely which can be expensive.

What is double glazing?

- Double glazing consists of two glass panes separated by a space, filled with air or inert gas like argon.
- Double glazing improves thermal insulation meaning your home maintains a more consistent temperature year-round.

Example of a retrofit double glazing upgrade



What is Low E glass?

- Low E glass (short for Low Emissivity glass), is very energy efficient with a special coating that lets in natural light while retaining heat inside and alleviating unwanted solar heat to help maintain indoor comfort levels.
- Our selection of Low E glass is tailored to New Zealand conditions, offering a variety of performance benefits such as reducing heat loss, solar control, natural light levels, noise, fading and glare reduction. We have a range to cater to your specific priorities.

What are the benefits?

Heat retention
A warm dry home reduces the chances of condensation and mould. Our range provides up to 79%* better heat retention.

Solar heat control
Is overheating an issue in summer? Our solar control glass can reduce up to 74%* solar heat gain and help protect furnishings from fading.

Lower power bills
Maintain a more consistent year round temperature reducing energy used for heating and cooling, saving on power bills.

Natural light
For a brighter home, choose options with high visible light transmission. Be sure to consider glare or overheating to ensure a comfortable living space.

Reduce noise
Add a laminate or use thicker glass to reduce ambient noise especially if you live near busy roads. For significant noise concerns consult with an acoustic engineer.

Privacy, safety, and security
Our privacy glass includes patterned, obscured, tinted and reflective glass. Adding laminate can enhance security by making it more difficult to break through.

Find the perfect match for your home

*All data is based on a 4-12-4 makeup.

	Standard Single Glazing	Classic Double Glazing	Low E Double Glazing Max	Low E Double Glazing Xcel	Low E Double Glazing Xtreme	Low E Double Glazing SunX Grey	Low E Double Glazing SunX Reflect
	Single glazing 4mm clear non Low E	**Standard clear double glazing** Clear non Low E, standard spacer	**Entry level Low E warmth and privacy** Subtle blue tone Low E, argon gas, thermal spacer	**Maximum warmth and natural light** High clarity Low E, argon gas & thermal spacer	**Solar control with maximum natural light** Neutral tone Low E, argon gas & thermal spacer	**Solar control with a tinted appearance for privacy** Grey Low E, argon gas & thermal spacer	**Solar control with a reflective appearance for privacy** Reflective Low E, argon gas & thermal spacer
Heat retention (U Value) Warm and dry in winter. Lower value is better	5.8	2.8	1.6	1.3	1.2	1.3	1.3
Solar factor (SF) Cool in summer / reduce overheating. Lower % means less solar heat inside	86%	77%	57%	59%	40%	25%	22%
Visible light (VLT) Maintain natural light levels. Higher % means more natural light	90%	81%	69%	80%	74%	41%	31%
Fading reduction (TDW-ISO) Help protect furnishings from fading. Lower value means more fading protection	0.84	0.74	0.64	0.69	0.58	0.32	0.27

What solution is best for your home?

	Classic	Max	Xcel™	Xtreme™	SunX™ Grey	SunX™ Reflect
Heat retention Low E double glazing is one of the best ways to keep your home warm and save on your heating bills. What level of heat retention do you need?	FAIR	VERY GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Solar heat control A lot of sunshine can overheat your home, especially if you have large north - or west - facing windows. How much solar control do you need?	LOW	LOW TO MEDIUM	LOW	HIGH	VERY HIGH	VERY HIGH
Natural light Windows let in natural light, but for some homes the sunlight can be too much. How much natural light do you need?	HIGH NATURAL LIGHT	HIGH NATURAL LIGHT	HIGH NATURAL LIGHT	HIGH NATURAL LIGHT	MEDIUM NATURAL LIGHT	MEDIUM NATURAL LIGHT
Fading protection How much protection do your furnishings need from sun damage? *To increase fading protection further, consider adding a tint or laminate to your double glazing.*	LOW PROTECTION	LOW PROTECTION	LOW PROTECTION	LOW TO MEDIUM PROTECTION	MEDIUM PROTECTION	MEDIUM PROTECTION
Privacy Do you need your windows to be tinted for privacy?	NO	YES	NO	NO	YES	YES
Colour hue We select glass with subtle natural hues and reflectivity giving your home beauty and elegance.	CLEAR	SUBTLE BLUE TONE	CLEAR	NEUTRAL TONE	GREY TONE	REFLECTIVE SILVER

Sound reduction – If stronger noise reduction is important we can add a laminate to your double glazing. It's important to note that older homes may have gaps around the windows. Ensuring your windows are well-sealed is crucial for optimal sound reduction, as gaps can allow sound to leak in or out.

Our range can be combined with laminate, tint or obscured glass. Whatever your requirements are, we can tailor a solution.

DID YOU KNOW?

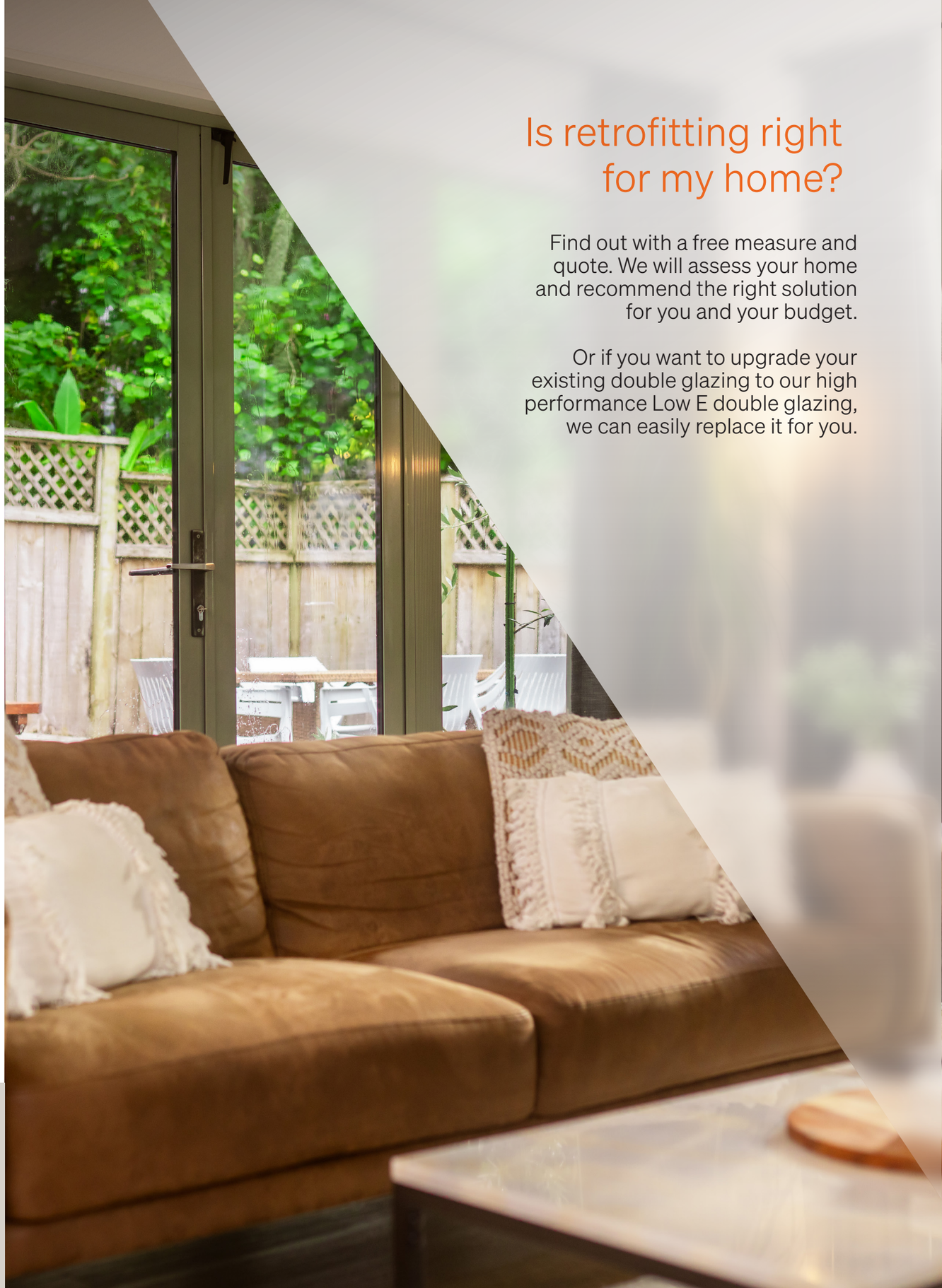
You don't have to retrofit your entire home, you can opt for room by room

We retrofit into existing:
✓ Aluminium frames
✓ Timber frames

Red List Free

Our glass contains no toxic or harmful materials

We recycle 99% of your old glass and aluminium



Is retrofitting right for my home?

Find out with a free measure and quote. We will assess your home and recommend the right solution for you and your budget.

Or if you want to upgrade your existing double glazing to our high performance Low E double glazing, we can easily replace it for you.

RETRO Fit
Double Glazing

DOUBLE GLAZING – LOW E

FREE QUOTE

Take the next steps to a warmer, drier, more comfortable home.

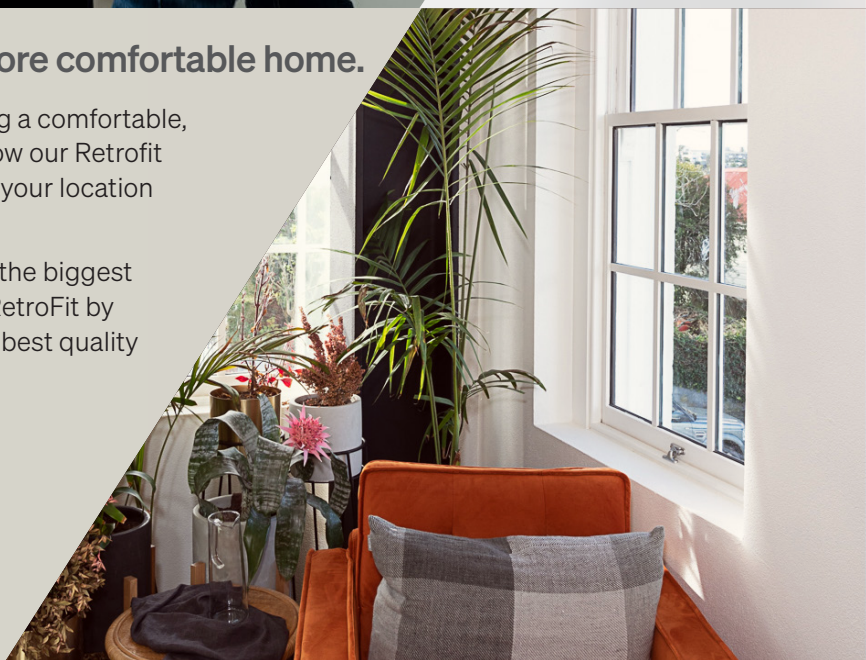
If you're renovating your windows are critical for creating a comfortable, light filled and peaceful home. Talk to us today about how our Retrofit double glazing solutions can give you the perfect fit for your location and your home.

We've led the New Zealand glass industry with some of the biggest innovations for more than 35 years. When you choose RetroFit by Metro Glass you can be confident you are choosing the best quality and performance for your needs.

Call us 0800 658 658, or visit us at **www.retrodg.co.nz**

RetroFit is a service provided by:

METRO PERFORMANCE GLASS AND METRO Direct Inspirations in glass



R002.SEP2024