

MADE FOR KIWI HOMES

GET COMFORTABLE
THE EASY WAY
WITH RETROFIT



RETRO
Double Glazing

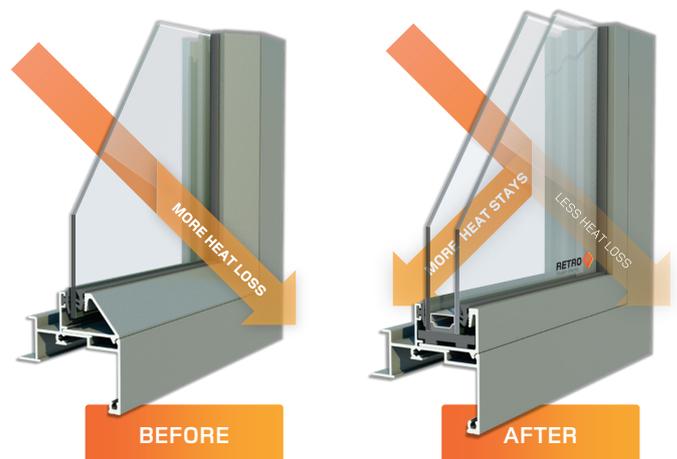




WHAT IS LOW E GLASS?

- Low E glass is short for Low Emissivity glass.
- Low E glass is energy-efficient with a special coating that lets in visible light while reflecting heat to maintain indoor comfort levels.
- Our selection of Low E glass is tailored to New Zealand conditions, offering a variety of performance benefits to cater to your specific priorities.
- Our Low E can reduce heat loss by up to 79% compared to single glazing which will help keep your power bills down.
- If overheating in summer is an issue our solar control Low E range can help.

EXAMPLE OF A RETROFIT DOUBLE GLAZING UPGRADE



WHAT IS RETROFIT?

- Retrofit involves upgrading your existing windows by replacing single-pane glass with our new energy-efficient factory sealed double glazing.
- This process includes removing the old glass and making minor adjustments to the frames to fit the thicker double glazing units.
- Retrofit is an affordable way to upgrade your existing windows without replacing them entirely (frame and glass) which can be expensive.

WHAT IS DOUBLE GLAZING?

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

COMPARE DATA

*Data is all based on a 4-12-4 makeup.

	Standard Single Glazing	Classic Double Glazing	Low E Plus Double Glazing
SINGLE GLAZING 4mm clear non Low E		BASIC DOUBLE GLAZING Clear non Low E, standard spacer	ENTRY LEVEL Subtle blue tone Low E, standard spacer
HEAT LOSS (U- VALUE) Warm and dry in winter Lower value is better	5.8	2.8	1.9
SOLAR FACTOR (SF) Cool in summer / reduce overheating Lower % means less solar heat inside	86%	77%	57%
VISIBLE LIGHT TRANSMISSION (VLT) Maintain natural light levels Higher % means more natural light	90%	81%	69%
FADING PROTECTION (TDW-ISO) Help protect furnishings from fading Lower value means less fading protection	0.84	0.74	0.64

- UP TO 79%* BETTER HEAT RETENTION
- REDUCE SOLAR HEAT GAIN BY UP TO 63%*

*Compared to 4mm single glazing.

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 compared to single glazing.



SOLAR CONTROL

Is overheating an issue in summer? Our solar control glass can reduce up to 63% solar heat gain and help protect furnishings from fading.



LOWER POWER BILLS

Maintain a more consistent year round temperature reducing the need for heating and cooling, saving on power bills.



VISUAL COMFORT

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



REDUCE NOISE

Use laminate or 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 to your double glazing can make break-ins more challenging.

Low E Max
Double Glazing

WARMTH AND PRIVACY
Subtle blue tone Low E, argon gas, thermal spacer

1.6

57%

69%

0.64

Low E Xcel
Double Glazing

MAXIMUM WARMTH AND LIGHT
High clarity clear Low E, argon gas, thermal spacer

1.3

59%

60%

0.69

Low E Xtreme
Double Glazing

YEAR ROUND COMFORT
Subtle champagne Low E, argon gas, thermal spacer + solar control

1.2

41%

75%

0.48

Low E SunX Grey
Double Glazing

ULTIMATE SOLAR CONTROL
Subtle grey Low E argon gas, thermal spacer + solar control

1.4

32%

42%

0.45

HOME COMFORT YEAR ROUND PLUS
SAVE ON POWER BILLS.

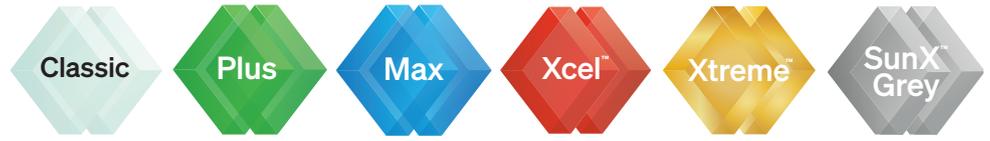


IS RETROFITTING RIGHT FOR MY HOME?

Find out with a free measure and quote. Our Retrofit consultant will assess your home and recommend the right solution for you and your budget. We can retrofit both aluminium and timber joinery. Alternatively, if you want to upgrade your existing double glazing to our newer technology Low E glass for the ultimate performance upgrade, we can replace it for you.

WHAT SOLUTION IS BEST FOR YOUR HOME?

We have the biggest and best double glazing range in New Zealand. We understand that each home is different, our expert Retrofit consultant will assess your home, and recommend a tailored solution for you and your budget.



	Classic	Plus	Max	Xcel™	Xtreme™	SunX Grey™
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	MODERATE	MODERATE	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	MEDIUM	LOW TO MEDIUM	LOW	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 want let into your home?	HIGH NATURAL LIGHT	MEDIUM NATURAL LIGHT				
Fading protection How much protection do your furnishings need from sun damage? <i>To increase fading protection further, consider adding a tint or laminate to your double glazing.</i>	LOW PROTECTION	LOW PROTECTION	LOW PROTECTION	LOW PROTECTION	MEDIUM PROTECTION	MEDIUM PROTECTION
Privacy Do you need your windows to be tinted for privacy?	NO	YES	YES	NO	NO	YES
Colour hue We select glass with subtle natural hues and reflectivity giving your home beauty and elegance.	CLEAR	SUBTLE BLUE TONE	SUBTLE BLUE TONE	CLEAR	SUBTLE CHAMPAGNE	SUBTLE GREY TONE

Sound reduction – Our range all reduce sound levels in your home. If stronger noise reduction is important we can add special acoustic laminates to your double glazing. An important consideration is that well-sealed windows help optimise sound reduction better, otherwise sound leaks in or out through gaps in the window system.

Budget – Our range has different attributes, but they aren't necessarily 'good, better, best'. Some of the biggest influence on the cost will depend on your joinery type, the condition it's in, how much glass you have and what solution is best for your climate .



YOU DON'T HAVE TO RETROFIT YOUR ENTIRE HOME, YOU CAN OPT FOR ROOM BY ROOM.

WE CAN RETROFIT INTO EXISTING:
 ✓ ALUMINIUM FRAMES ✓ TIMBER FRAMES

NEED MORE OPTIONS? OUR RANGE CAN BE COMBINED WITH LAMINATE, TINT OR OBSCURED GLASS. WHATEVER YOUR REQUIREMENTS ARE, WE CAN TAILOR A SOLUTION.

RETRO

Fit

Double Glazing

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



GET A FREE MEASURE AND QUOTE
www.retrodg.co.nz

0800 658 658



FREE QUOTE

RetroFit is a service provided by:



METRO
PERFORMANCE GLASS

AND

METRO
Inspirations in glass

