



Harmony

Roof Window



Why Adlux?



New Zealand made

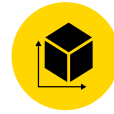
Adlux is a New Zealand owned and operated company and since the 1960's we have been manufacturing skylighting products here.

Our Adlux Roof Window range are all designed right here in New Zealand and all are made at our our Auckland manufacturing facility.



Proven design, quality materials

As New Zealand's leader in Skylight reliability for over 50 years, Adlux Roof Windows are Designed and built for New Zealand weather conditions and are compatible with all roof systems.



Customisable

Every house is unique and here at Adlux we understand this. Our Roof Windows are customisable to the way you want them, be it size, colour or glazing we can accommodate this.



10 Year guarantee

Adlux Roof Windows are covered by a 10 year guarantee. We are confident that our products will give trouble free performance throughout this period and beyond.

All electric components and accessories are covered by a 2 year guarantee.



Service

The Adlux technical experts are on hand to advise and assist you at the design and specification stage.

We are also available for after-sales service at the contact printed on the back of this brochure.



Tested & Approved

All of our products are rigorously tested for quality and New Zealand living conditions.

They are designed to enhance your environment for years to come.

Our third party certifications give you the confidence that Adlux is the correct choice.

let life in 



Reports from Oculus and Sustainable Engineering available on request



Harmony Roof Window

Elevating Skylight Performance with Exceptional Thermal Efficiency

We are thrilled to present Adlux Harmony, a groundbreaking skylight product meticulously engineered to meet and exceed the stringent H1 building code requirements. Designed specifically for New Zealand's challenging climates, this innovative skylight redefines thermal performance while seamlessly blending architectural aesthetics with unrivalled functionality.

At Adlux, we understand the importance of creating living spaces that resonate with nature, embracing the beauty of natural light while ensuring utmost comfort and energy efficiency. With Harmony, we have achieved the perfect equilibrium between sustainable design and superior performance.

Drawing on our decades of experience we have painstakingly crafted Harmony to endure the harshest weather conditions, providing unmatched insulation and thermal regulation. This ensures that your living spaces remain cozy and comfortable throughout the seasons, while minimizing energy consumption and reducing your carbon footprint.

Adlux Harmony not only brings the outdoors inside with its unmatched illumination but also embraces the essence of nature itself. By seamlessly integrating our skylight into your living spaces, you will experience the unparalleled harmony between the natural elements and your home, fostering a deep connection with the environment around you.

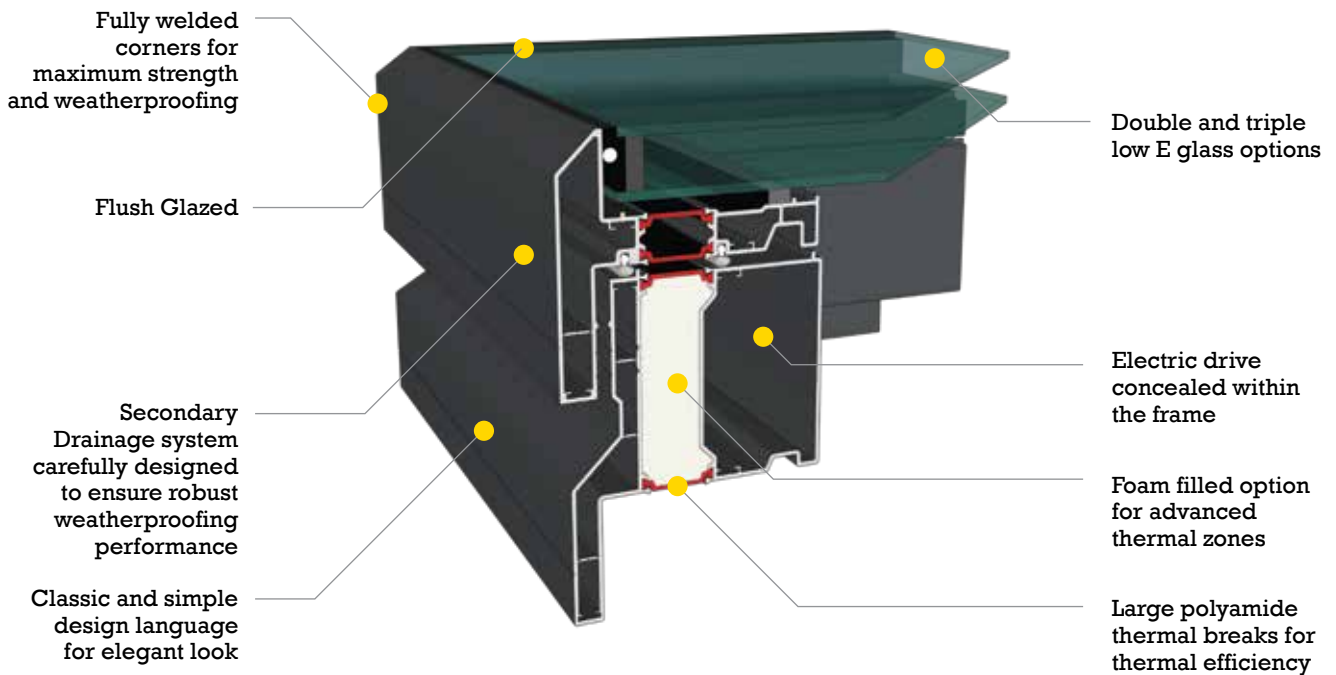
We take immense pride in offering a skylight that not only satisfies the highest building standards but also complements your home's architectural aesthetics. Harmony's sleek and elegant design seamlessly blends with any interior, creating a timeless and visually captivating addition to your living spaces.

Join us in harmonizing your living spaces with the natural elements. With Adlux Harmony, embrace a new era of skylight technology, where performance and aesthetics coexist in perfect balance, and nature becomes an intrinsic part of your everyday living experience.

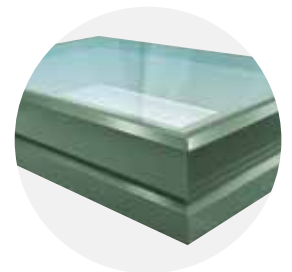
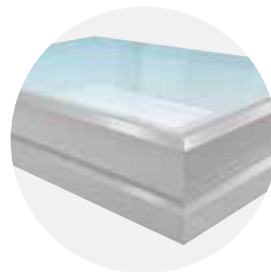
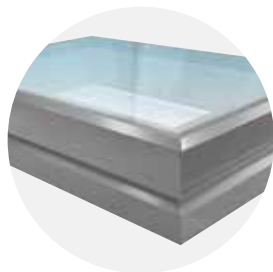
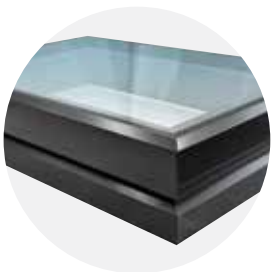


Key Features

- > Thermally Broken
- > Choice of Glazing
- > Made in NZ
- > Custom Sizing
- > Low Pitch
- > All Roof Types
- > All Wind Zones
- > Upstand Mounted
- > Precision Welded



Full powder coated colour range available



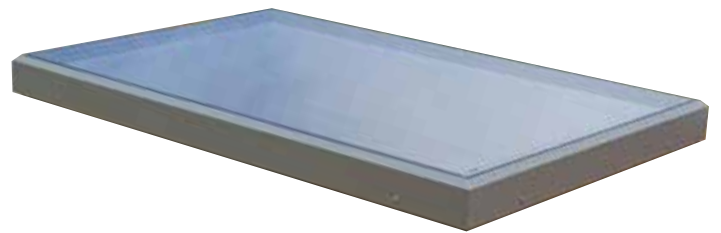
Fixed

Let natural light enhance your space

A testament to simplicity and modern minimalism in fixed roof window design, offering 'frameless' internal views that maximize the infusion of natural daylight into any space. Customizable with a range of glass specifications and sizes tailored to fit your specific application, the Harmony Fixed ensures both aesthetic elegance and functional versatility. Whether enhancing residential living areas, commercial spaces, or architectural projects, its seamless integration and customizable options make it the perfect choice for those seeking refined style and abundant natural light.

Features

- › Non Opening
- › Thermal Broken Frame - Uf 0.84
- › Double and triple glazing options
- › Construction R Values upto R1.06
- › Suitable for all climate zones
- › Customizable
- › Full colour range



Opening

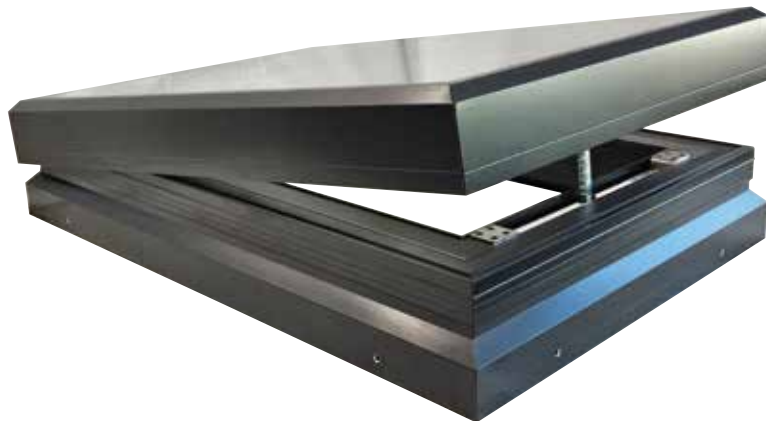
Control the Temperature with ventilation

Harmony Opening Roof Windows offer a blend of practical features designed to enhance indoor environments. They natural light and ventilation, allowing fresh air to circulate and improving air quality. This functionality extends to temperature regulation, facilitating the release of excess heat in warmer months and minimizing heat loss during colder seasons.

Electrically operated the Harmony Opening roof windows can be connected to an integrated control systems with a rain sensor and thermostat unit which will open or close the unit based on user settings.

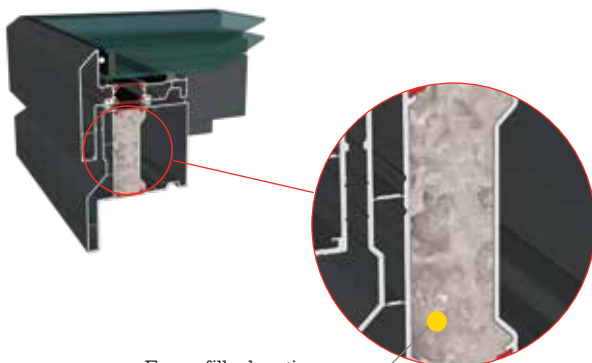
Features

- > Electric Opening
- > Thermal Broken Frames - Uf 2.84 / 1.94
- > Double and triple glazing options
- > Construction R Values upto R0.86
- > Suitable for all climate zones
- > Dual silicon rubber bulb air seal
- > Concealed Electric motor drives
- > Customizable
- > Full colour range



Opening Max

The Harmony Opening Max features a foam-filled center between the cold and warm profiles of its base frame, significantly enhancing thermal performance to Uf 1.94



Foam filled option for advanced thermal zones

Control Options



Rain Sensor for auto closing



Home Automation compatible



Remote Control

Glazing Options

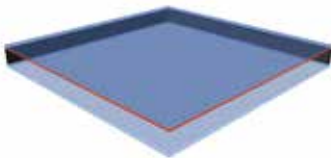
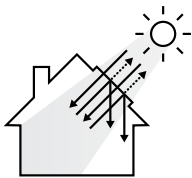
Choose the Glazing that suits your requirements.

Choose the glazing that suits your thermal requirements with our range of double and triple glazing options. Each option has different Low E coatings to enhance energy efficiency, comfort to your internal spaces. For superior energy performance and enhanced insulation properties, consider our triple-glazed solutions, which provide an extra layer of insulation to maintain

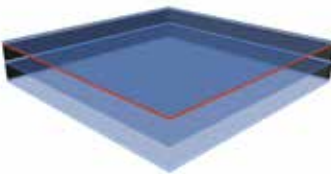
indoor comfort year-round. Explore our selection of glazing types, including specifications such as U-values, solar heat gain coefficients (SHGC) and Visible Light Transmission (VLT), ensuring you find the perfect balance of natural light and thermal efficiency.

Passive Low E

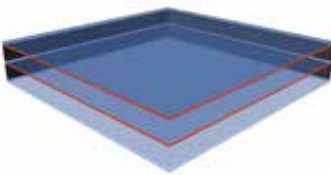
Solar Low E



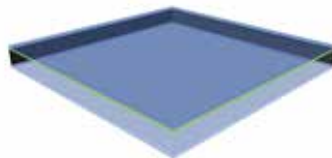
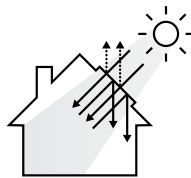
Double Glazed Low E₂
Ug : 2.11 SHGC : 0.73 VLT : 0.77



Triple Glazed Low E₂
Ug : 1.50 SHGC : 0.64 VLT : 0.70

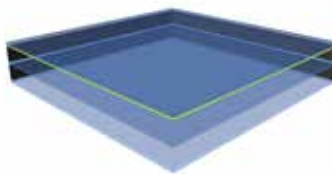


Triple Glazed Low E₂ +
Ug : 1.23 SHGC : 0.63 VLT : 0.66

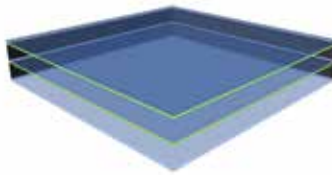


Double Glazed Low E₃
Ug : 1.70 SHGC : 0.56 VLT : 0.78

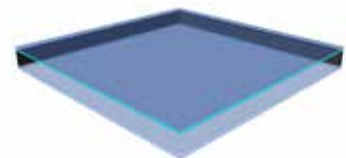
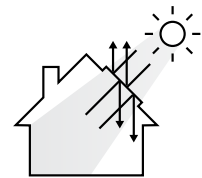
Standard Stock Glazing



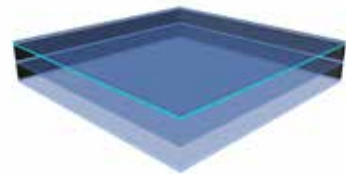
Triple Glazed Low E₃
Ug : 1.25 SHGC : 0.49 VLT : 0.72



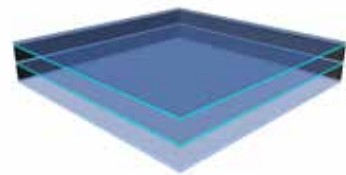
Triple Glazed Low E₃ +
Ug : 0.90 SHGC : 0.48 VLT : 0.68



Double Glazed Low E₄
Ug : 1.63 SHGC : 0.38 VLT : 0.74



Triple Glazed Low E₄
Ug : 1.21 SHGC : 0.34 VLT : 0.68



Triple Glazed Low E₄ +
Ug : 0.85 SHGC : 0.30 VLT : 0.61

Additional Options

- Tinted - Grey / Bronze
- Frosted / Opaque / Obscure glazing
- Structural Laminate for fall protection
- Black frit edge band 70mm

Note: Glazing U value is calculated at 0 degrees (horizontal).
All Low E Glazing includes Argon filled Cavity

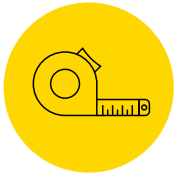


Sizing

	700 G	850 J	1000 M	1200 Q	1400 U	1600 Z	1800 AC	2000 AG	2400 AO	3000 BA
700 16	G16		M16		U16		AC16			
850 19		J19		Q19	U19					
1000 22	G22		M22		U22					
1200 26		J26		Q26						
1400 30	G30	J30	M30					AG30		BA30
1600 35						Z35				
1800 38	G38								AO38	
2000 42					U42					
2400 50							AC50			
3000 62					U62					

 Harmony

 Harmony Mega



Custom sizes available
up to 4.5m²



Harmony		A		B		C	
Size Codes		Upstand Overall		Nominal Daylight		Skylight Overall	
Fixed	Opening	Width (mm)	Height (mm)	Width (mm)	Height (mm)	Width (mm)	Height (mm)
HFG16	HE.G16	700	700	520	520	750	750
HFG22	HE.G22	700	1000	520	820	750	1050
HFG30	HE.G30	700	1400	520	1220	750	1450
HFG38	HE.G38	700	1800	520	1620	750	1850
HFJ19	HE.J19	850	850	670	670	900	900
HFJ26	HE.J26	850	1200	670	1020	900	1250
HFJ30	HE.J30	850	1400	670	1220	900	1450
HFM22	HE.M22	1000	1000	820	820	1050	1050
HFM30	HE.M30	1000	1400	820	1220	1050	1450
HFQ26	HE.Q26	1200	1200	1020	1020	1250	1250

Landscape Models (refers to opening windows only)

HE.M16	1000	700	820	520	1050	750
HE.Q19	1200	850	1020	670	1250	900
HE.U16	1400	700	1220	520	1450	750
HE.U19	1400	850	1220	670	1450	900
HE.U22	1400	1000	1220	820	1450	1050
HE.AC16	1800	700	1620	520	1850	750

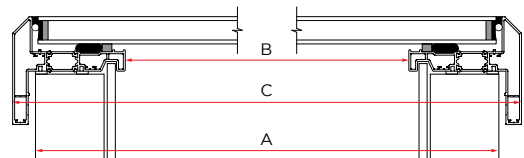
Harmony Mega

Size Codes		Upstand Overall		Nominal Daylight		Skylight Overall	
Fixed	Opening	Width (mm)	Height (mm)	Width (mm)	Height (mm)	Width (mm)	Height (mm)
HMFZ35	HME.Z35	1600	1600	1420	1420	1650	1650
HMFU42	HME.U42	1400	2000	1220	1820	1450	2050
HMFAC50	HME.AC50	1800	2400	1620	2220	1850	2450
HMFU62	HME.U62	1400	3000	1220	2820	1450	3050

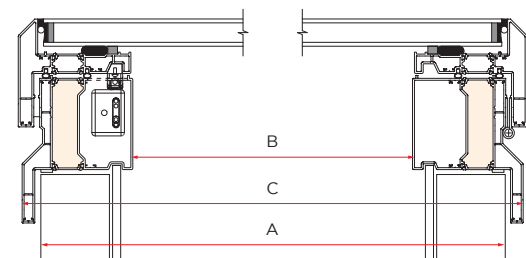
Landscape Models (refers to opening windows only)

HME.AC30	2000	1400	1820	1220	2050	1450
HME.AO38	2400	1800	2220	1620	2450	1850
HME.BA30	3000	1400	2820	1220	3050	1450

Harmony Fixed



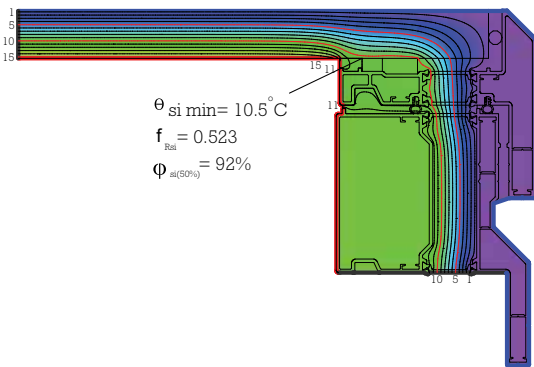
Harmony Opening



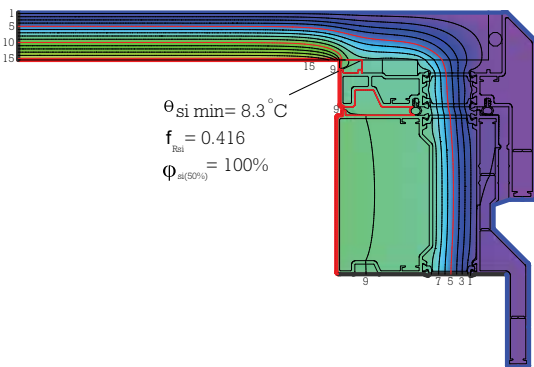
Thermal Performance Technical Specs

The thermal efficiency of the Harmony Roof Window has been guaranteed by a design which eliminates cold bridging. This is achieved by isolating the external profiles from the internal ones using polyamide thermal breaks. The thermal transmittance of the Harmony frame (Uf) has been determined using the latest thermal software and is validated according to ISO 10077-2.

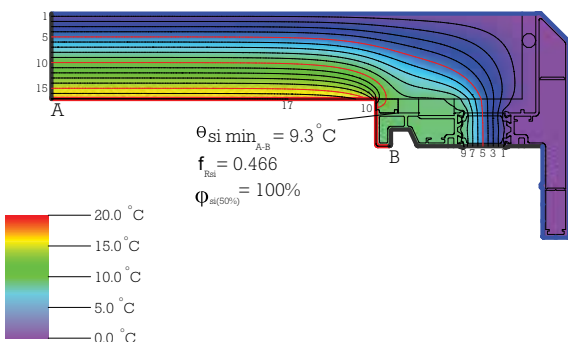
Harmony Opening MAX - Uf 1.92



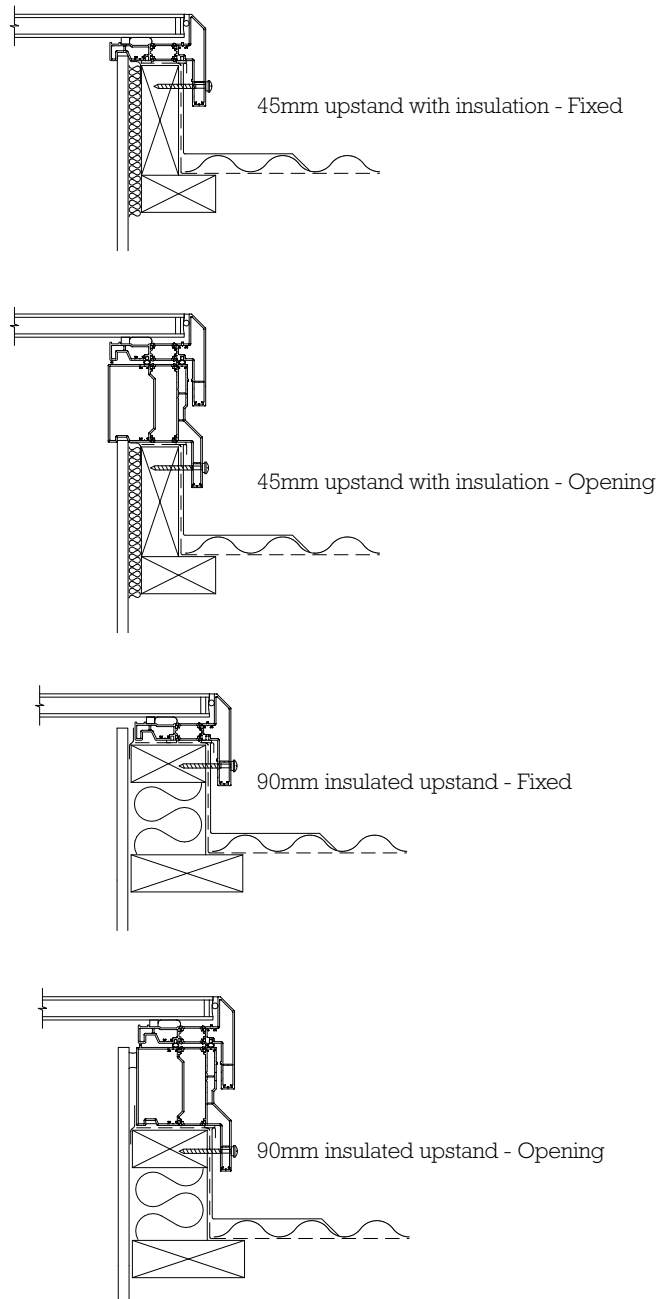
Harmony Opening - Uf 2.84



Harmony Fixed - Uf 0.84



The Harmony system is designed to fit multiple different thermal upstand construction methods to provide the best possible thermal barrier.



Note: The installation drawings provided are for general reference and illustrate only a few of the possible installation methods.

Building Code Requirements

The H1 Clause of the Building Code regulates the energy efficiency of the built environment – covering wall, floor and ceiling insulation, as well as the thermal performance of windows and doors and skylights. The construction R-values for skylights must include the effects of both the glazing and frame materials and consider the affect that the installed pitch has on the on the heat transfer .

Minimum construction R-values are set out in the tables included in the documents and are summarized below for the different building types and climate zones

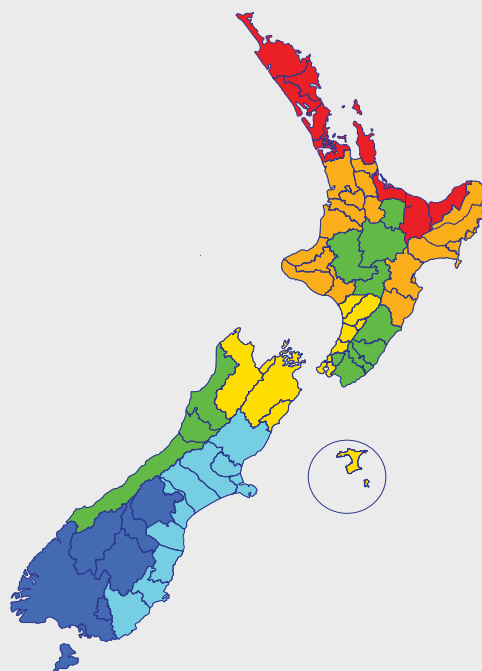
Table 4 AS1/VM1 – All housing and buildings up to 300 m²

Element	Climate Zone 1	Climate Zone 2	Climate Zone 3	Climate Zone 4	Climate Zone 5	Climate Zone 6
Skylights	R0.46	R0.46	R0.54	R0.54	R0.62	R0.62

Table 5 AS2/VM2 – Buildings greater than 300 m²

Element	Climate Zone 1	Climate Zone 2	Climate Zone 3	Climate Zone 4	Climate Zone 5	Climate Zone 6
Skylights	R0.42	R0.42	R0.46	R0.46	R0.49	R0.51

- Climate Zone 1
- Climate Zone 2
- Climate Zone 3
- Climate Zone 4
- Climate Zone 5
- Climate Zone 6



Construction R-Value Charts

Harmony Fixed

Calculated at Zero Degrees (horizontal)

Harmony Fixed	Double Glazed			Triple Glazed					
	Low E ₂	Low E ₃	Low E ₄	Low E ₂	Low E ₃	Low E ₄	Low E ₂ +	Low E ₃ +	Low E ₄ +
HF.G16 700x700	0.60	0.68	0.70	0.73	0.80	0.82	0.81	0.93	0.95
HF.G22 700x1000	0.58	0.67	0.68	0.72	0.80	0.81	0.81	0.94	0.97
HF.G30 700x1400	0.57	0.66	0.67	0.71	0.79	0.81	0.80	0.95	0.98
HF.G38 700x1800	0.56	0.65	0.67	0.71	0.79	0.81	0.80	0.96	0.98
HF.J19 850x850	0.58	0.66	0.68	0.72	0.80	0.81	0.81	0.95	0.97
HF.J26 850x1200	0.56	0.65	0.67	0.71	0.80	0.81	0.80	0.96	0.99
HF.J30 850x1400	0.55	0.65	0.67	0.71	0.79	0.81	0.80	0.96	0.99
HF.M22 1000x1000	0.56	0.65	0.67	0.71	0.80	0.81	0.80	0.96	0.99
HF.M30 1000x1400	0.55	0.64	0.66	0.70	0.79	0.81	0.80	0.97	1.01
HF.Q26 1200x1200	0.54	0.64	0.66	0.70	0.79	0.81	0.80	0.98	1.01
HMF.Z35 1600x1600	0.53	0.63	0.65	0.69	0.79	0.81	0.80	1.00	1.04
HMF.U42 1400x2000	0.52	0.63	0.65	0.69	0.79	0.81	0.80	1.00	1.04
HMF.AC50 1800x2400	0.51	0.62	0.64	0.69	0.79	0.81	0.80	1.02	1.06
HMF.U62 1400x3000	0.52	0.62	0.64	0.69	0.79	0.81	0.80	1.01	1.05

Harmony Opening

Calculated at Zero Degrees (horizontal)

Harmony Opening	Double Glazed			Triple Glazed					
	Low E ₂	Low E ₃	Low E ₄	Low E ₂	Low E ₃	Low E ₄	Low E ₂ +	Low E ₃ +	Low E ₄ +
HE.G16 700x700	0.37	0.40	0.41	0.42	0.44	0.44	0.44	0.47	0.48
HE.G22 700x1000	0.38	0.41	0.42	0.43	0.46	0.47	0.46	0.50	0.51
HE.G30 700x1400	0.39	0.42	0.43	0.45	0.48	0.48	0.48	0.53	0.54
HE.G38 700x1800	0.39	0.43	0.44	0.45	0.49	0.49	0.49	0.54	0.55
HE.J19 850x850	0.38	0.42	0.42	0.44	0.47	0.47	0.47	0.51	0.52
HE.J26 850x1200	0.39	0.43	0.44	0.46	0.49	0.50	0.49	0.55	0.56
HE.J30 850x1400	0.39	0.44	0.45	0.46	0.50	0.50	0.50	0.56	0.57
HE.M22 1000x1000	0.39	0.43	0.44	0.46	0.49	0.50	0.49	0.55	0.56
HE.M30 1000x1400	0.40	0.45	0.46	0.47	0.51	0.52	0.52	0.58	0.59
HE.Q26 1200x1200	0.40	0.45	0.46	0.48	0.52	0.53	0.52	0.59	0.60
HE.M16 1000x700	0.38	0.41	0.42	0.43	0.46	0.47	0.46	0.50	0.51
HE.Q19 1200x850	0.39	0.43	0.44	0.46	0.49	0.50	0.49	0.55	0.56
HE.U16 1400x700	0.39	0.42	0.43	0.45	0.48	0.48	0.48	0.53	0.54
HE.U19 1400x850	0.39	0.44	0.45	0.46	0.50	0.50	0.50	0.56	0.57
HE.U22 1400x1000	0.40	0.45	0.46	0.47	0.51	0.52	0.52	0.58	0.59
HE.AC16 1800x700	0.39	0.43	0.44	0.45	0.49	0.49	0.49	0.54	0.55
HME.Z35 1600x1600	0.41	0.47	0.49	0.51	0.56	0.57	0.57	0.66	0.67
HME.U42 1400x2000	0.42	0.48	0.49	0.51	0.57	0.58	0.57	0.66	0.68
HME.AC50 1800x2400	0.42	0.49	0.51	0.53	0.60	0.61	0.60	0.72	0.74
HME.U62 1400x3000	0.42	0.49	0.50	0.53	0.59	0.60	0.59	0.70	0.72
HME.AC30 2000x1400	0.42	0.48	0.49	0.51	0.57	0.58	0.57	0.66	0.68
HME.AO38 2400x1800	0.42	0.49	0.51	0.53	0.60	0.61	0.60	0.72	0.74
HME.BA30 3000x1400	0.42	0.49	0.50	0.53	0.59	0.60	0.59	0.70	0.72

Harmony Opening Max

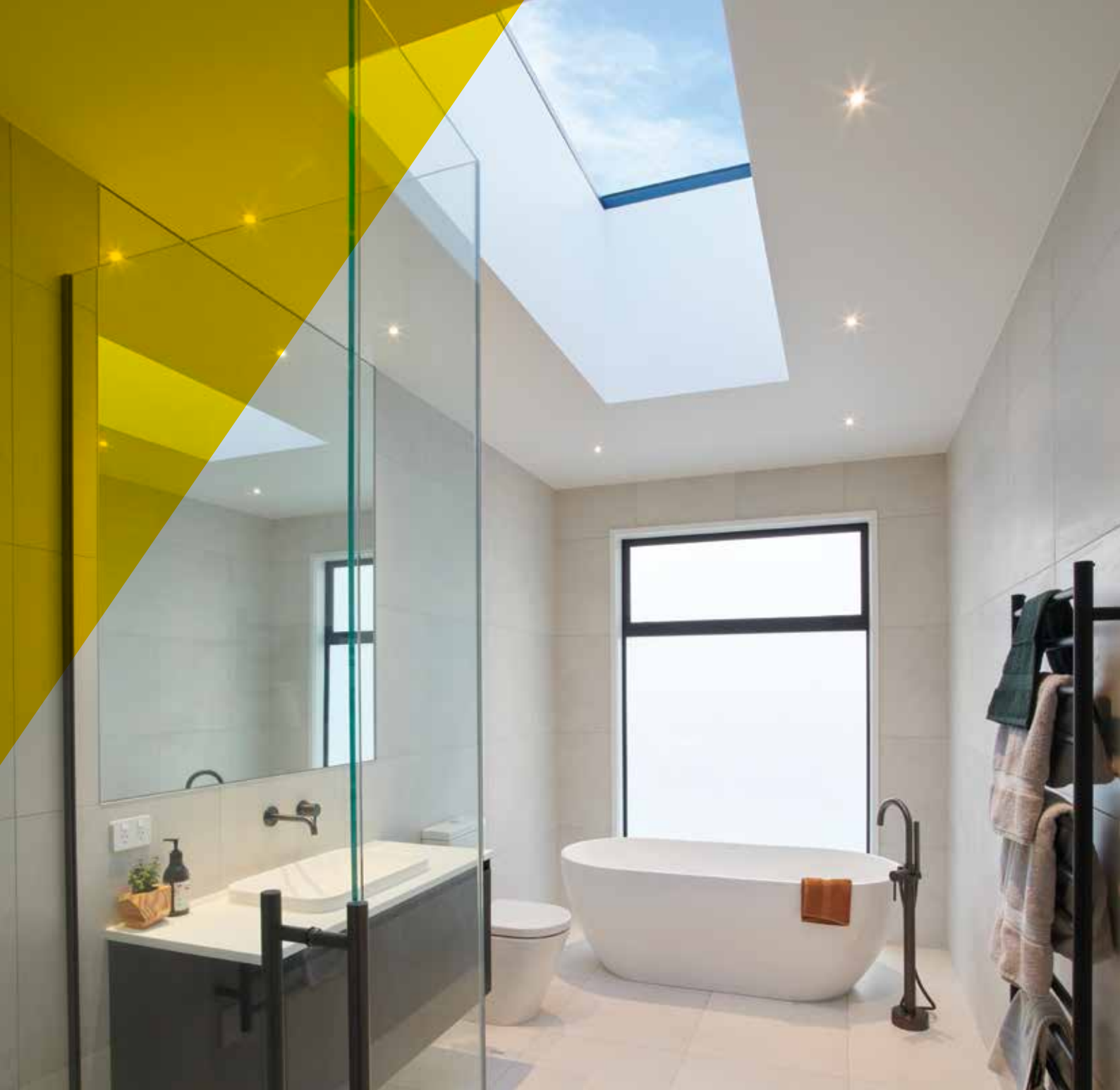
Calculated at Zero Degrees (horizontal)

Harmony Opening Max	Double Glazed			Triple Glazed					
	Low E ₂	Low E ₃	Low E ₄	Low E ₂	Low E ₃	Low E ₄	Low E ₂ +	Low E ₃ +	Low E ₄ +
HE.G16.max 700x700	0.45	0.50	0.50	0.52	0.56	0.56	0.56	0.61	0.62
HE.G22.max 700x1000	0.45	0.50	0.51	0.53	0.57	0.58	0.58	0.64	0.65
HE.G30.max 700x1400	0.45	0.51	0.52	0.54	0.59	0.59	0.59	0.67	0.68
HE.G38.max 700x1800	0.45	0.51	0.52	0.55	0.59	0.60	0.60	0.68	0.69
HE.J19.max 850x850	0.45	0.51	0.52	0.54	0.58	0.59	0.58	0.65	0.66
HE.J26.max 850x1200	0.46	0.51	0.52	0.55	0.60	0.60	0.60	0.68	0.70
HE.J30.max 850x1400	0.46	0.52	0.53	0.55	0.60	0.61	0.61	0.69	0.71
HE.M22.max 1000x1000	0.46	0.51	0.52	0.55	0.60	0.61	0.60	0.68	0.70
HE.M30.max 1000x1400	0.46	0.52	0.53	0.56	0.61	0.62	0.62	0.72	0.73
HE.Q26.max 1200x1200	0.46	0.52	0.53	0.56	0.62	0.63	0.62	0.72	0.74
HE.M16.max 1000x700	0.45	0.50	0.51	0.53	0.57	0.58	0.58	0.64	0.65
HE.Q19.max 1200x850	0.46	0.51	0.52	0.55	0.60	0.60	0.60	0.68	0.70
HE.U16.max 1400x700	0.45	0.51	0.52	0.54	0.59	0.59	0.59	0.67	0.68
HE.U19.max 1400x850	0.46	0.52	0.53	0.55	0.60	0.61	0.61	0.69	0.71
HE.U22.max 1400x1000	0.46	0.52	0.53	0.56	0.61	0.62	0.62	0.72	0.73
HE.AC16.max 1800x700	0.45	0.51	0.52	0.55	0.59	0.60	0.60	0.68	0.69
HME.Z35.max 1600x1600	0.46	0.53	0.55	0.58	0.65	0.66	0.66	0.78	0.80
HME.U42.max 1400x2000	0.46	0.54	0.55	0.58	0.65	0.67	0.66	0.79	0.81
HME.AC50.max 1800x2400	0.46	0.54	0.56	0.60	0.67	0.69	0.68	0.83	0.86
HME.U62.max 1400x3000	0.46	0.54	0.56	0.59	0.67	0.68	0.67	0.81	0.84
HME.AG30.max 2000x1400	0.46	0.54	0.55	0.58	0.65	0.67	0.66	0.79	0.81
HME.AO38.2400x1800	0.46	0.54	0.56	0.60	0.67	0.69	0.68	0.83	0.86
HME.BA30.max 3000x1400	0.46	0.54	0.56	0.59	0.67	0.68	0.67	0.81	0.84



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