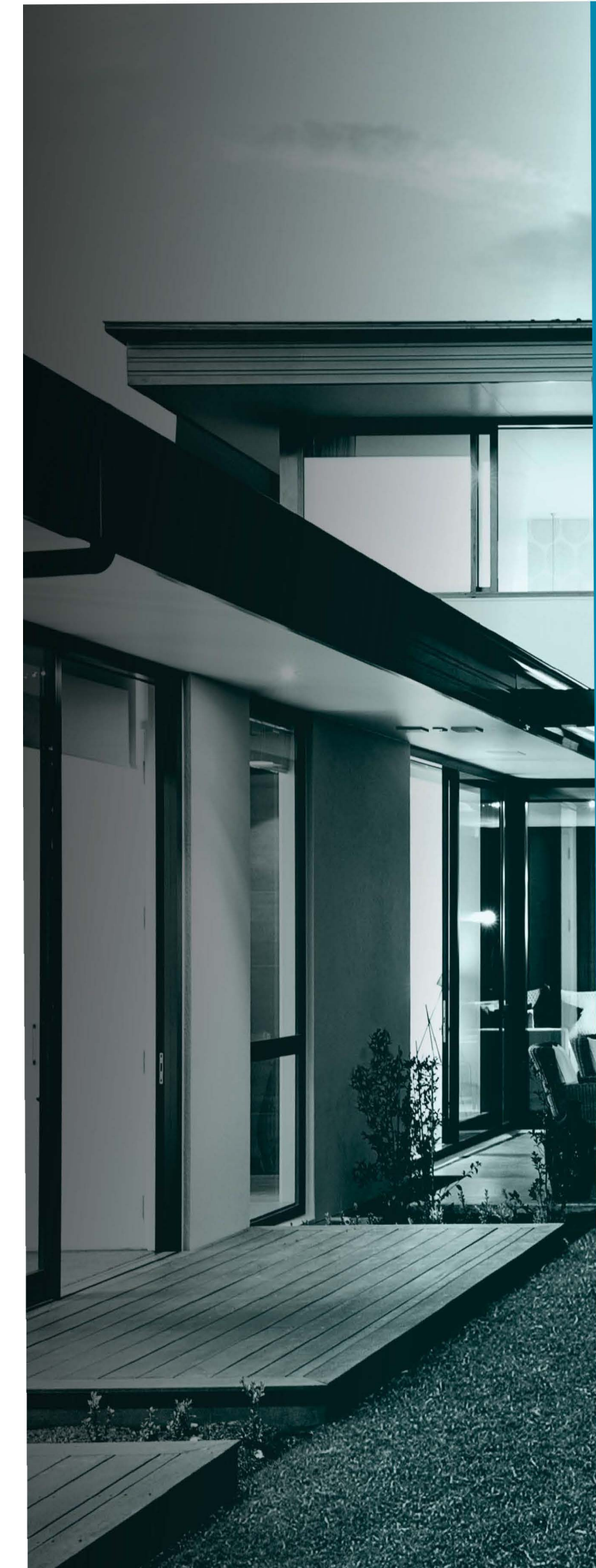




NT36

Next Generation

WINDOWS & DOORS

NE
XT

WINDOWS & DOORS





NE XT

WINDOWS & DOORS

THIS CHANGES
EVERYTHING.

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WINDOWS & DOORS

Bigger. Better. Wider.

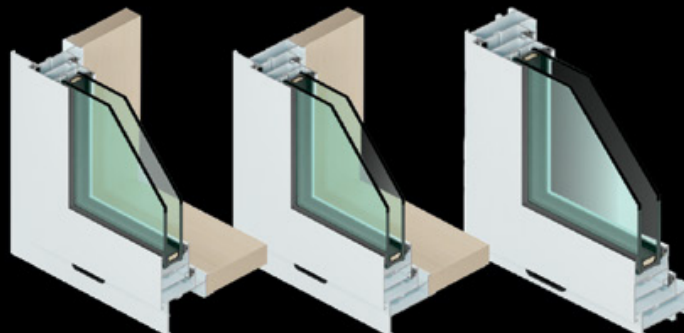
If you're looking for that big, modern, architectural, minimalistic look to your windows and doors – the kind that gives you a wide uninterrupted view of life outside – then NEXT window and door technology is the breakthrough to let you do it.

Self Supporting Window System (SSWS) technology gives NEXT windows and doors the scope to stretch from standard window and door builds.

The higher-spec solution uses frames and profiles in awning, hinged and sliding windows and doors that are narrower in width. Their smart design enables their strength to be delivered from the frame/profile's depth instead.

This means that they can take larger panes of glass enhancing uninterrupted views. Larger glass panes also allow for improved acoustic and thermal performance within this range.

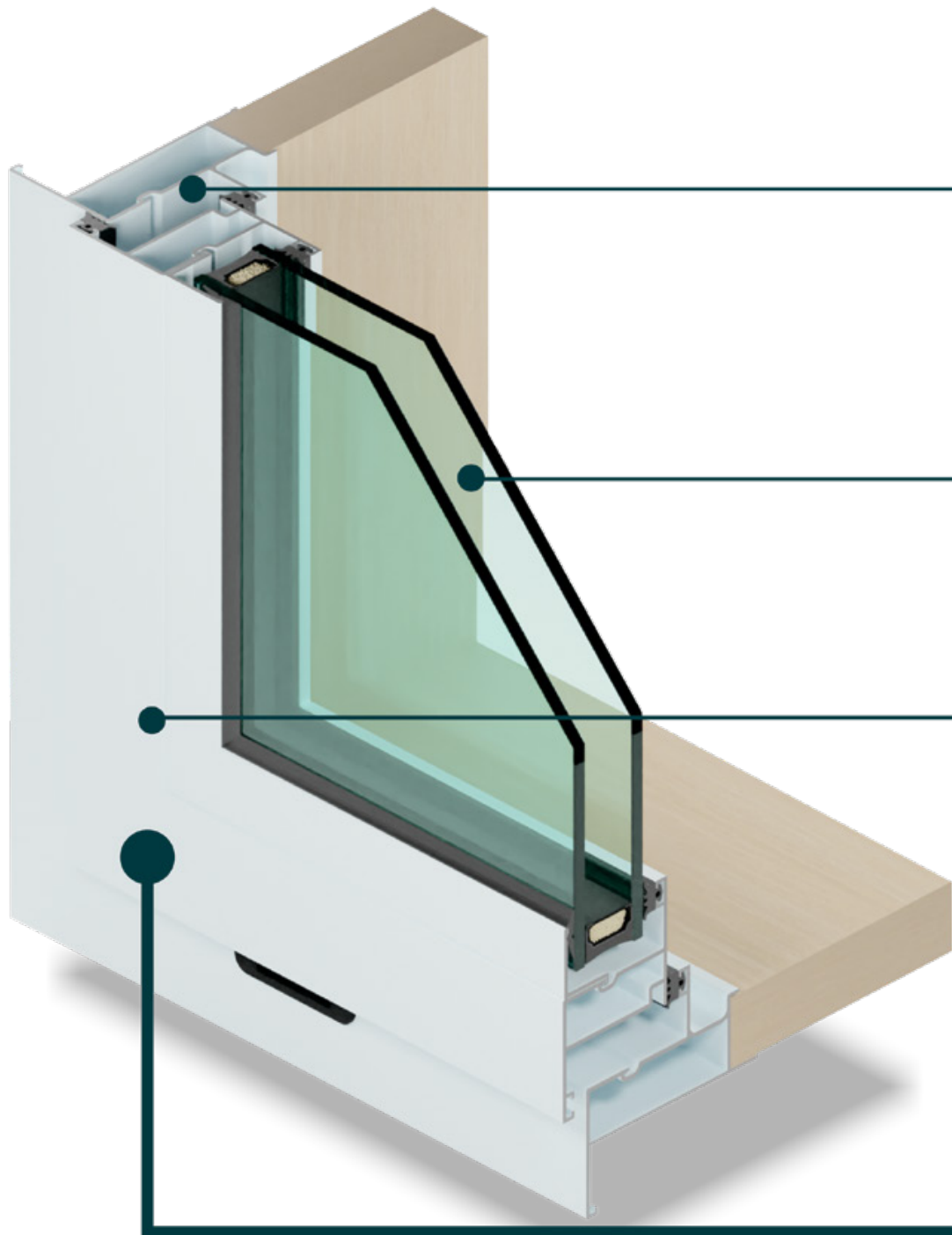
NEXT's SSWS enhanced windows and doors have been tested for extra high wind zones. .





SELF SUPPORTING WINDOW & DOOR SYSTEM

Fully patented, this is the most advanced engineering technology for windows and doors in the southern hemisphere.



The modern and minimalist outlook of NEXT's NT36 range of windows and doors is achieved by adopting patented SSWS technology from FMI Building Innovation. It uniquely brings together state-of-the-art engineering advances to achieve a durable, high performance system like no other in New Zealand.

Expansive

The highest glass to frame ratio possible makes it the most minimalistic window & door system possible with extraordinary uninterrupted views.

Strong

Unique steel TouxLock™ jointing ensures the toughest and most durable system in New Zealand.

Weatherproof

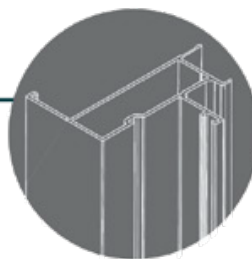
More than twice the weather resistance of other window systems ensuring the wettest, coldest and hottest weather stays outside and the energy you pay for stays inside for your optimum energy-efficient comfort.

Cost effective

Self supporting technology for build efficiency and reduced cost.

No Twist Cavity Framing

NEXT's multi-chamber cavity framing minimises heat loss and is designed to optimise the rigidity and strength afforded by TouxLock™ jointing clamps. (No twist)



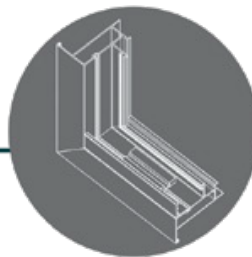
High Performance Double Glazing

With an R-value of 4.6 - the highest thermal rating for double glazing - NEXT windows and doors will keep all the energy in and the fiercest of winter and summer weather out.



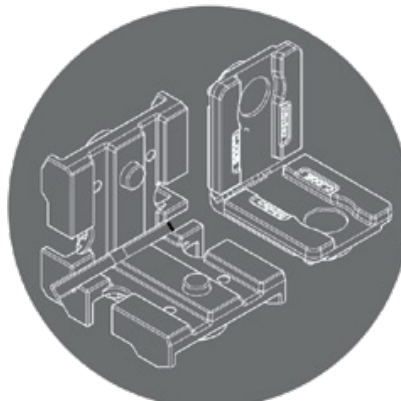
Hung Glass Mountings

Setting blocks that transfer the weight of the glass up the sides of the frame not downwards as with other window systems. Hence no requirement for the additional installation of a WANZ support bar.



TouxLock™

A unique mechanical steel corner clamp to bond the corners to the frames. Unlike screw or plastic jointing, Touxlock™ brings a new level of confidence in rigidity, load-bearing strength, durability and water-resistance to the entire frame.



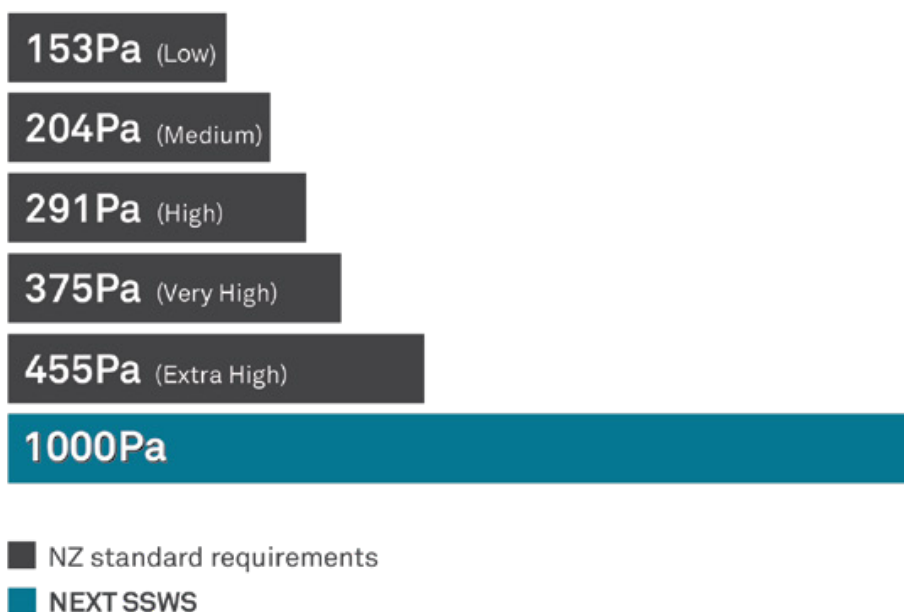
FAR EXCEEDING STANDARDS

Our windows and doors provide more than twice the weather protection required by building standards.

NEXT NT36 windows and doors with patented SSWS technology will keep out the onslaught of the fiercest storms and the intensity of the most stifling summers.

They are tested and certified to resist 1000Pa of water pressure - more than twice the 'Extra High Wind Zone' standard.

Standard water pressure (Pa) requirements





Technical details

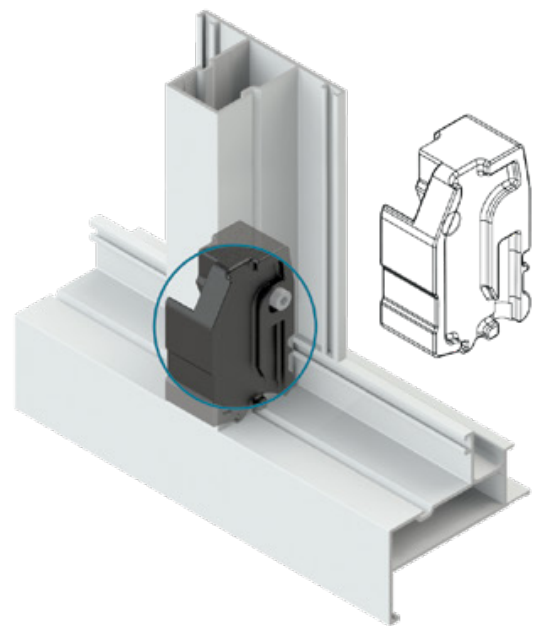
Using European-led design, we have developed a unique TouxLock™ technology, using the smart design of the corner joint which comprises a corner casting that ties the corner together by creating a more robust, stronger and leak free joint.

This system allows us to manufacture joinery at an increased precision and speed.

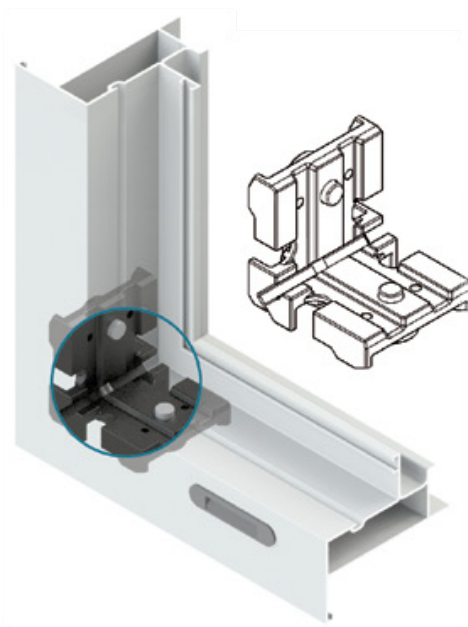
Once manufactured, joinery can be handled in many ways during transportation and installation, by using the TouxLock™ system with NEXT joinery you reduce the risk of costly returns of man handled units.

This system complies with the Extra High wind zone Ultimate Limit State test pressures of ± 2130 Pa and some units even going as high as Extreme wind zone of ± 2500 Pa with no permanent damage or deformation.

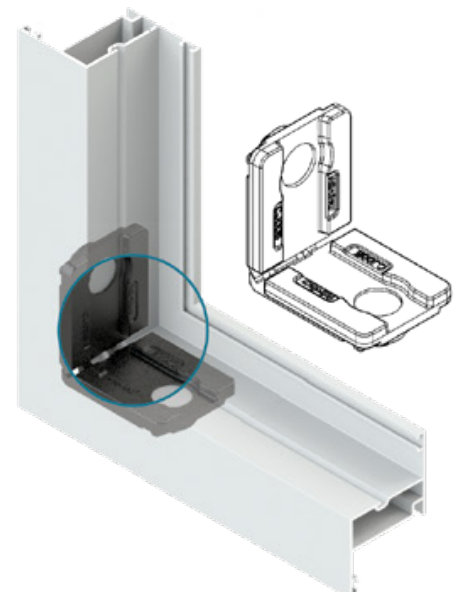
Mullion TouxLock™



Awning Frame TouxLock™



Sash TouxLock™





CHOOSE YOUR WINDOWS & DOORS

Windows and doors function in a variety of ways – they can slide, tilt or fold back on themselves. Understanding our range of windows and doors and how they work, will help you make the correct choice to match to your needs, and your lifestyle.

Awning Top Hung Windows

Top hung awning windows allow hot air to escape and reduce condensation, they can be left partially open when its raining. This is a great advantage during the colder months. These are the benefits of having awning windows, particularly when they are placed high up in a bathroom, kitchen and laundry.



Awning Side Hung Windows

Side hung awning windows add an elegant, traditional look to your home or apartment. Our options are practical, simple and provide excellent ventilation. These windows open fully from top to bottom, providing maximum natural ventilation and light.



Hinged Doors

Our hinged doors are available in single and double panels and can be open in or open out to maximise space and best fit a home's layout. The single panel doors are ideal as utility doors such as a laundry or garage door but they can be used for any entry. The glass can be clear or tinted and even come in a safety glass option. Hinged doors are often styled as French doors.



Hinged Folding Windows & Doors

Maximise your views with a well place folding window. You won't even notice the window, just the view. Folding windows and doors seamlessly connect your home to the outside, adding a sense of space, light and openness to your home.



Sliding Windows & Doors

Create a feeling of space and light with sliding and stacking windows and doors. They are a great, space-saving option, staying flush with the wall. They can be configured to have a single sliding window or door and one or two stationary panels or even double sliding windows or doors flanked by fixed panels. They maximise light and are a great opening onto gardens or features. Vertical (double hung) sliding windows offer a traditional look, making them perfect for traditional style villas.



Special Windows

Create your dream space with custom windows, such as curved and angled frames to make your home truly unique.





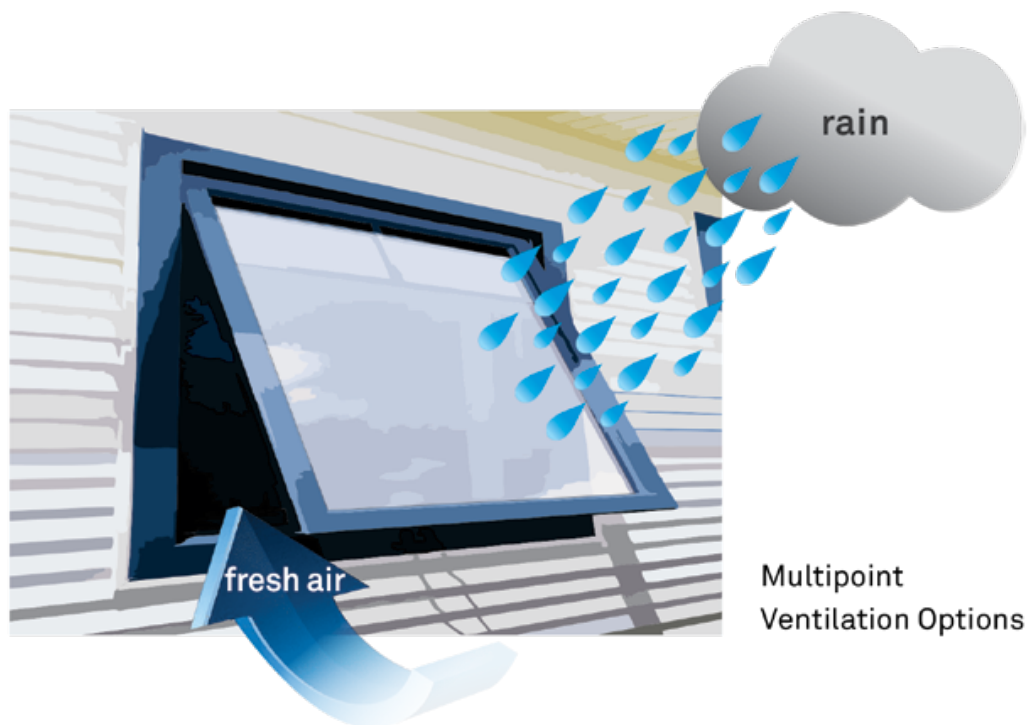
AWNING

A great option for any room

Awning windows - top hung

Awning windows are hinged to the top and open out from the bottom. It is a design that allows for excellent, controlled ventilation, catching a refreshing breeze regardless of the direction of the wind, and the open sash can actually help to tunnel a breeze into your home. Additionally, an awning window can be placed above or below stationary windows in order to provide adequate ventilation in otherwise stuffy areas. This enables a well ventilated room without compromising wall space. The style of opening also provides a shield from driving rain.

Since awning windows are hinged at the top and open upward there is nothing in the way and they also provide an unobstructed view of the outdoors. These windows are easy to open close and are ideal for hard-to-reach spaces. While awning windows are a great choice for bathrooms and kitchens, their size flexibility means they can be used in any room. Another advantage of installing awning windows is that they can often be placed high on walls where many traditional style windows would not fit.



Key Benefits

- Controlled air flow
- Excellent window solution for wide opening spaces
- Ideal for high-wind locations
- Can be open when it is raining
- Open and close easily with the simple turn of a handle
- Allows hot air to escape, reducing condensation



AWNING

Side-hung awning windows for modern or traditional

Most side hung awning windows are vertical rectangles that have a single pane of glass. They also tend to have simple styling that sets them apart from more decorative window types. These are classic windows that lend themselves particularly well to older homes under renovation and new buildings for which a traditional look is desired.

The element that makes a side hung window stand out is the operating mechanics which means instead of sliding up and down, like a hung window, or side to side, like sliders, these windows are hinged at the side, and they open outward similar to a car door.



Key Benefits

- Controlled air flow
- Open and close easily with the simple turn of a handle
- Allows hot air to escape reducing condensation
- The pivot on the edge offers the best “clear opening” area for the size of the frame
- Complements a traditional look
- High security ratings
- Ventilation option



AWNING

Windows for peace of mind

Awning windows - multi point locking

Our multi point locking system is available with two or four locking points controlled with a single handle for effortless operation. This advanced system provides an important added layer of security against forced entry into a home.

It also improves performance because with the multi point locking, the window is pulled in evenly from all sides, ensuring the compression seal is engaged properly and acts as an added barrier to air leaks and drafts.

The multi point locking system is available for both top and side hung windows.

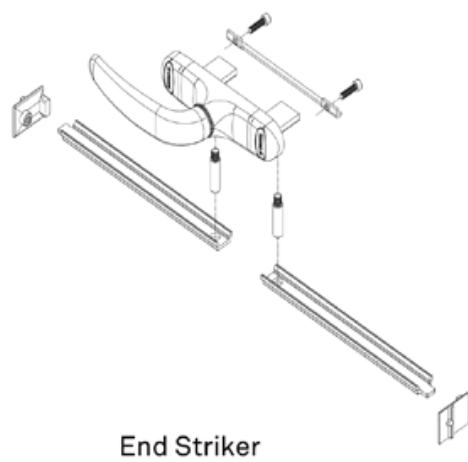


Key Benefits

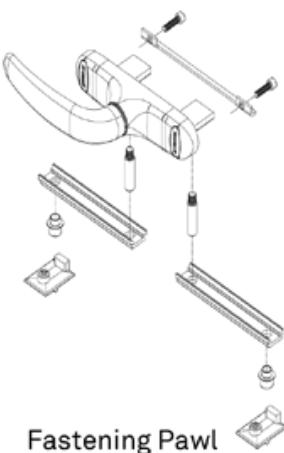
- Multiple locking points available
- Provides enhanced security
- Open and close easily with the simple turn of a single handle
- Locks pull the sash evenly toward the frame
- Even stress prevents over tightening
- An additional barrier to air leaks

Technical details

Multipoint Locking 2 Point

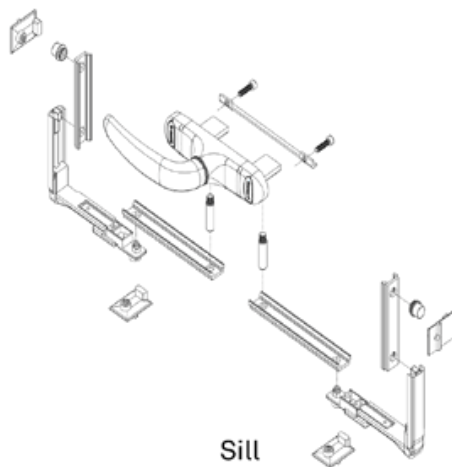


End Striker

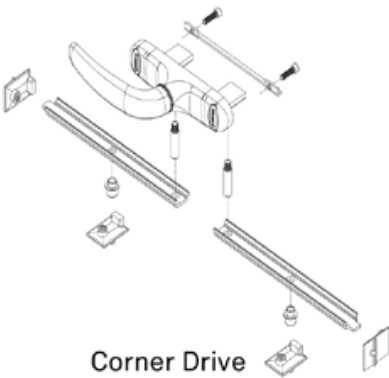


Fastening Pawl

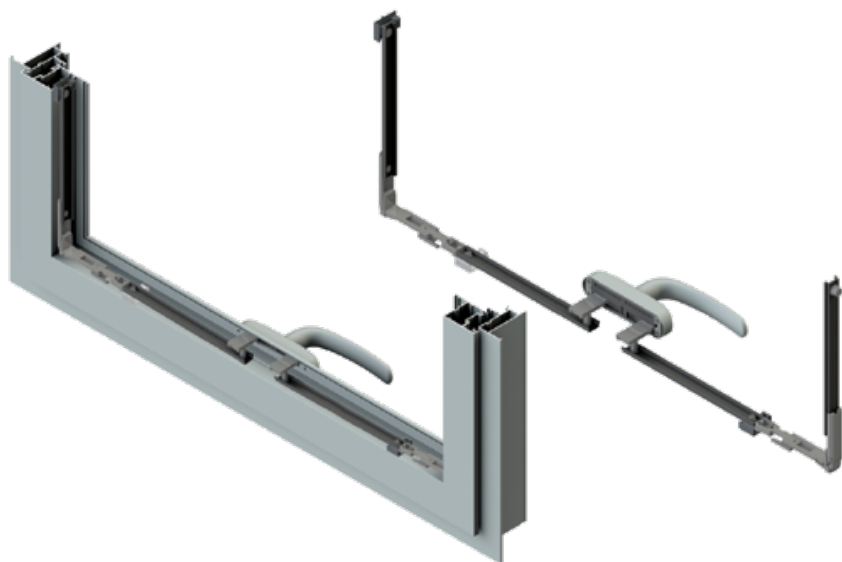
Multipoint Locking 4 Point



Sill



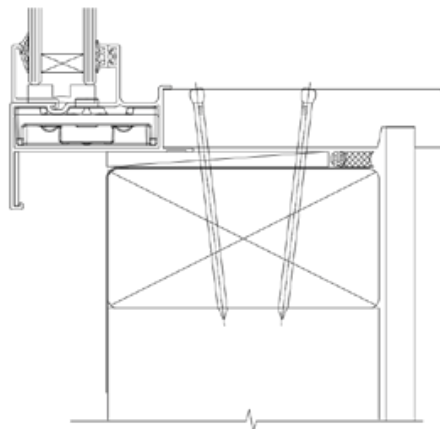
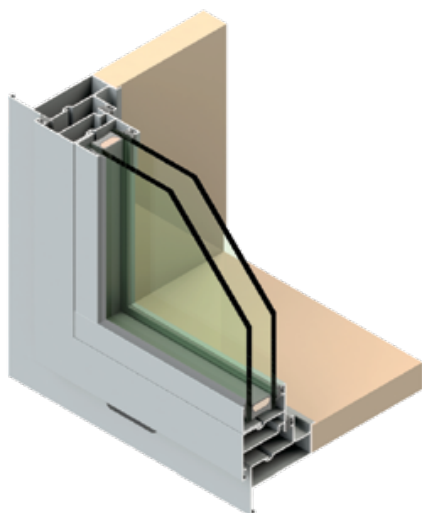
Corner Drive



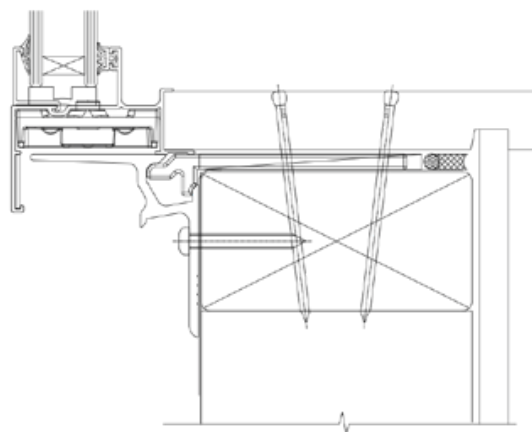
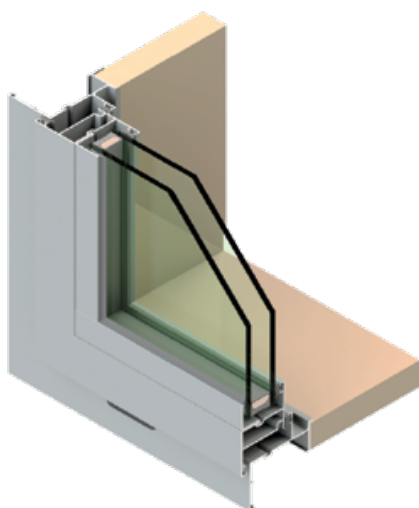
AWNING

Technical details Frame options

Awning - Hollow Frame



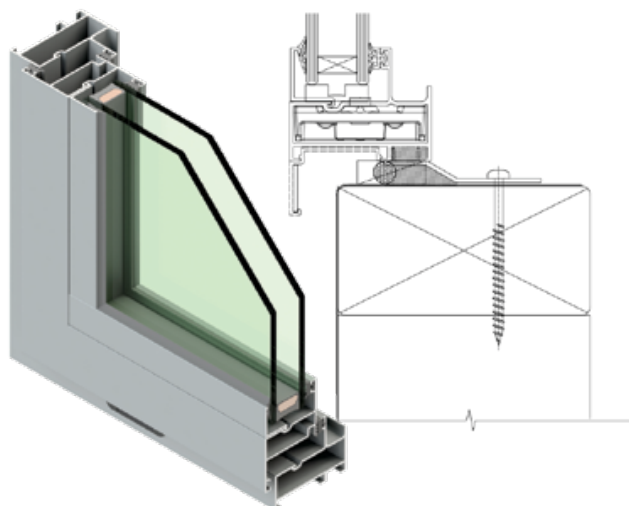
Awning - Non Hollow Frame



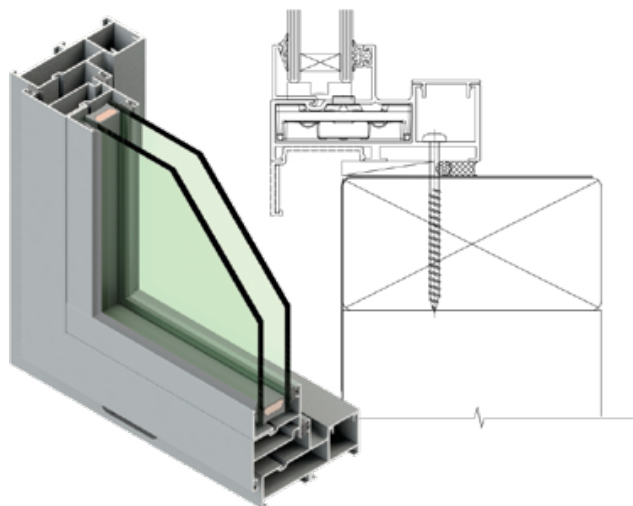
Features

- Square, flat aesthetic with a 19mm flange, accommodating a range of sash options.
- Fixed glazing, 36mm glazing platform provides a glazing capability of up to 26mm.
- Up to 26mm IGUs in sashes.
- Insert window frame also available for replacement windows.
- Chair frame options (no flange) in 50mm, 72mm and 109mm widths.
- Utilises TouxLock™ system.
- Self supporting option available.
- Uses dual foam and rubber seals and gaskets.

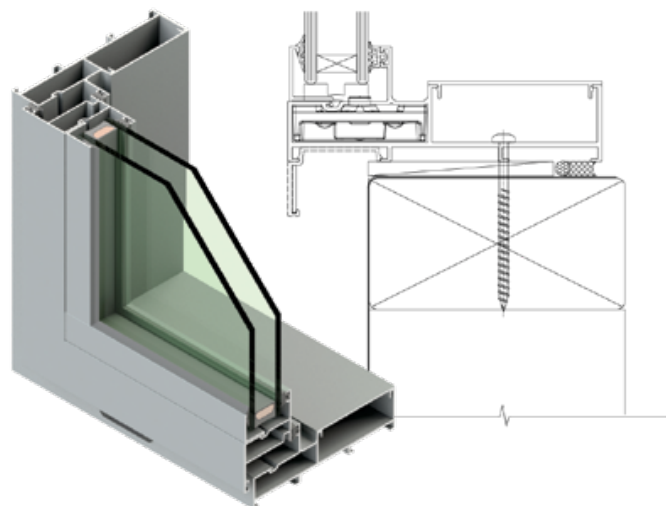
Awning - 50mm Frame



Awning - 72mm Frame



Awning - 109mm Frame



These hollow frames have been designed to eliminate the use of a Wanz support bar as it is able to support its own weight within the building framework. No liner is required as the frame is fixed through the concealed fixing channel. This allows more versatile interior finishes.

Glazing beads & panel types

- Captive sashes provide greater security and take up to 26mm IGUs.
- Flat overlay sash.
- Glazing beads available for glass thicknesses up to 26mm.
- Various mullion/transom options for varying height and width options.

HINGED

Doors with multiple benefits

Our hinged glass windows and doors combine a modern aesthetic with exceptional performance and design flexibility. The doors are available in both in swing and out swing. Like the rest of the NEXT doors and windows, the hinged windows and doors have minimalist hardware, narrow sightlines, and meticulous attention to every detail.



Key Benefits

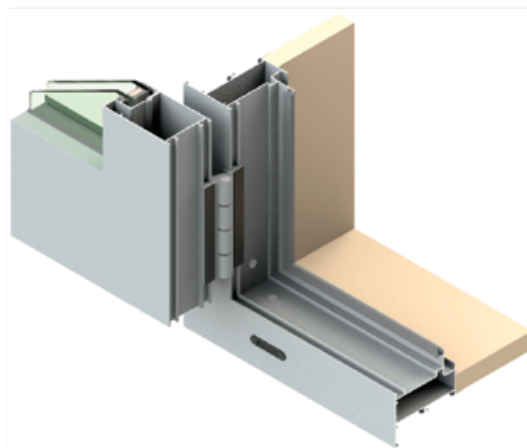
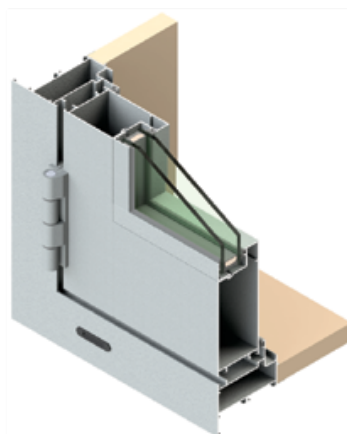
- Door frames can allow a front door to swing inwards or outwards
- Creates a welcoming, light-filled entryway
- Door frames can be coated to match the door or in a contrasting colour
- Allow for large, floor-to-ceiling configurations
- Unique, tested design of NEXT's windows and doors makes them extremely waterproof



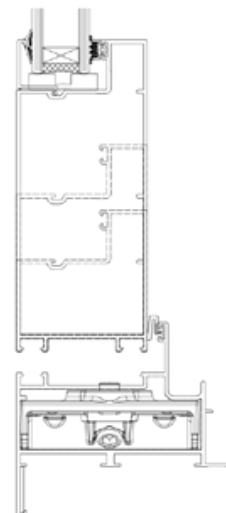
HINGED

Technical details Hinged door options

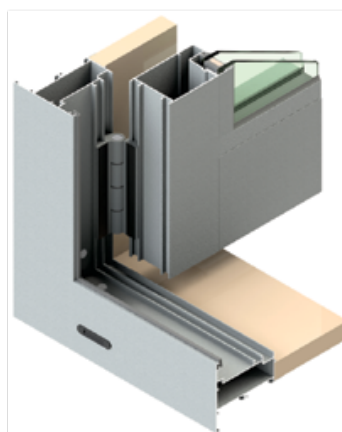
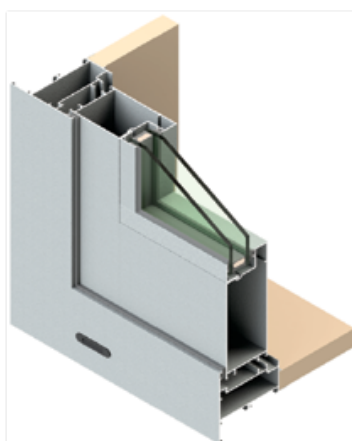
Hinged Door Open Out



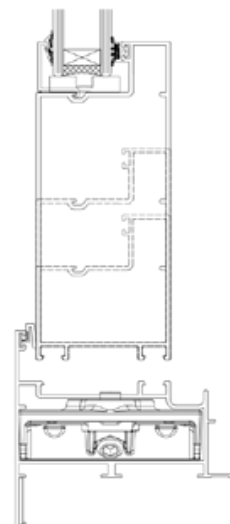
Hinged door open out opened



Hinged Door Open In



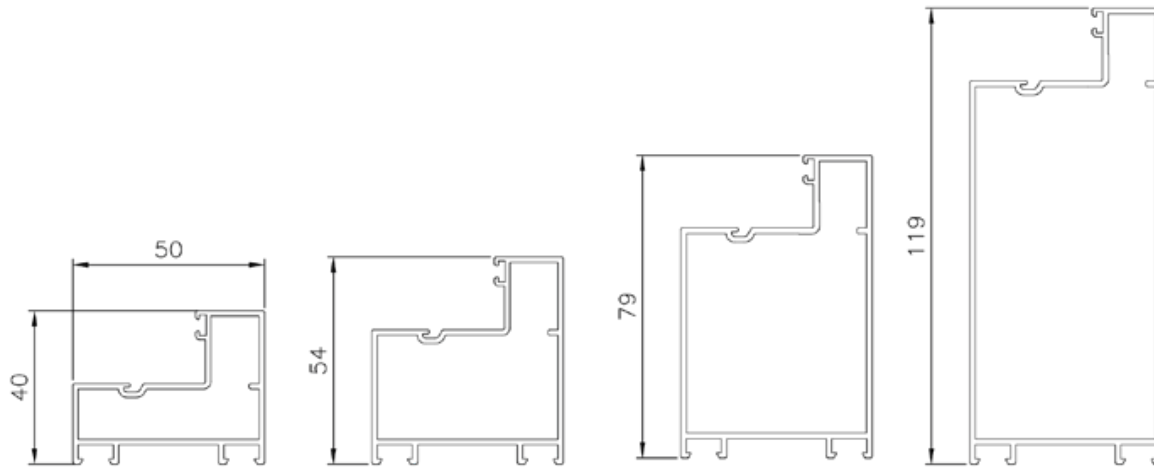
Hinged door open in opened



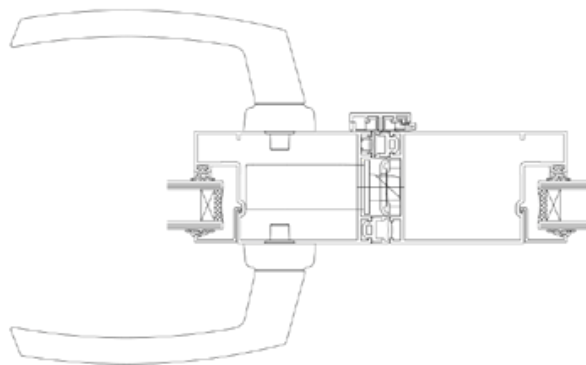
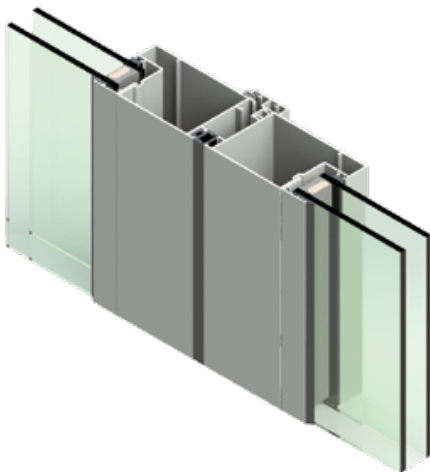
Features

- Hinged doors available in both open in and open out configurations.
- Open in and open out frames with 19mm flange (which can be rebated into some floors).
- Beaded panels take up to 26mm IGUs.
- Concealed panel and hinge fixings for improved aesthetics.

Hinged Door Panel Options



French Door



Sizes

Hinged door panels are 50mm thick; bead glazed externally for glass thicknesses up to 26mm. Maximum sizes for hinged doors may vary by height, width, wind zone, and glazing requirement.

The NEXT Architectural Advisors or your local NEXT fabricator can advise whether a configuration is possible.

Glazing beads & panel types

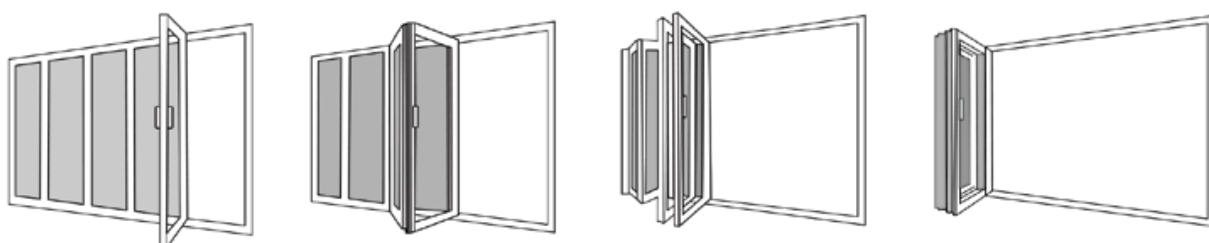
- Standard stiles and rails are 79mm.
- Optional 40mm narrow stile and rail options are available.
- Optional 119mm wide stile and rail options are available.
- 2 and 4 point locking options are available.
- Other stile and rail options are available.

FOLDING

Folding windows & doors transform spaces

Folding windows and doors are functional and stylish. They consist of a number of hinged framed panels that fold into each other simply and elegantly, to connect interior spaces with exterior spaces.

With their timeless appearance, folding windows and doors fit with any style including modern, traditional, period, heritage or new build. They allow a large amount of natural light into a home and remove boundaries creating a different concept of space. They are also highly versatile and can be opened fully or partially and can either open to one side or both sides folding to opposite directions.



Key Benefits

- Exceptional ventilation & airflow
- Abundance of natural light
- Unimpeded views
- Durable & low maintenance
- Ideal for tight spaces & smaller homes
- Easy to open & close
- Door frame can be coated to match window frames
- Unique, tested design of NEXT's doors makes them extremely waterproof



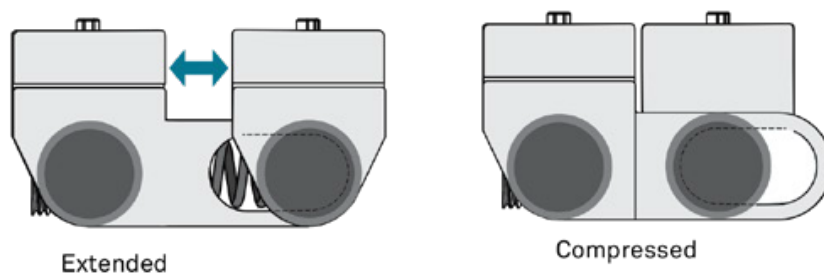
FOLDING

Easier opening

Folding windows & doors - patented compression jamb hinge

A common problem with bifold windows and doors is that because of the sealing action and tight fit of the panels when closed substantial force is often required to begin opening and finish closing them. This is exacerbated by expansion of the panels due to changes in temperature.

NEXT's patented compression jamb hinge for folding windows and doors addresses these problems. It is an innovative, patented design that allows for easier opening and closing thanks to an extension of the space between the panel and the jamb.



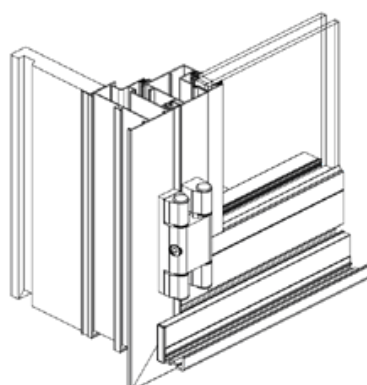
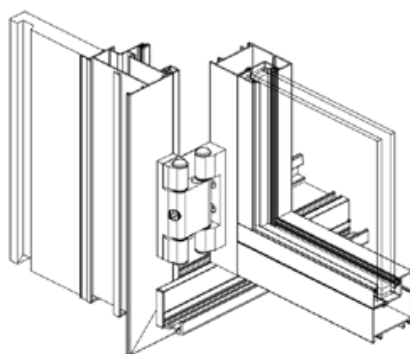
Key Benefits

- Ease of opening and closing windows and doors
- Excellent sealing performance
- Compensates for shrinkage and expansion due to temperature changes
- Increases durability through flexibility reducing strain

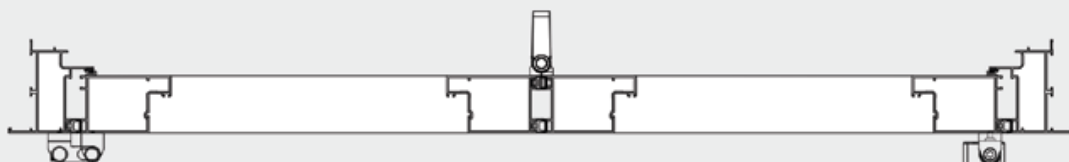
Technical details

Flexibility Seals

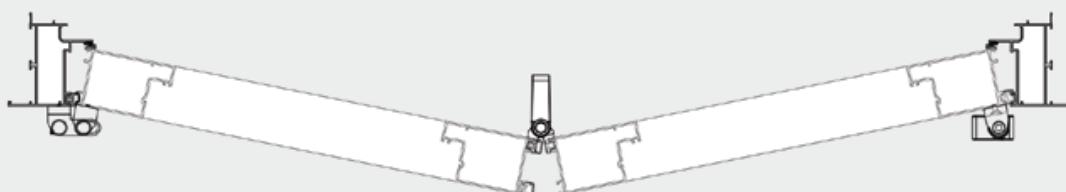
The patented compression hinge system comprises flexible seals fitted between the frame and the hinge panel



Top Cross Section when closed



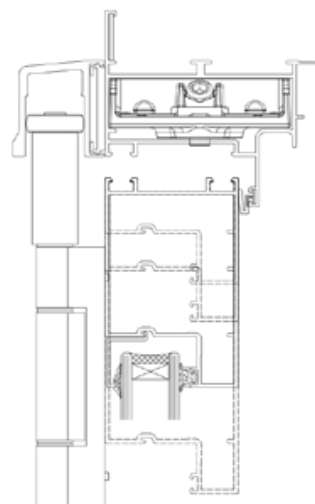
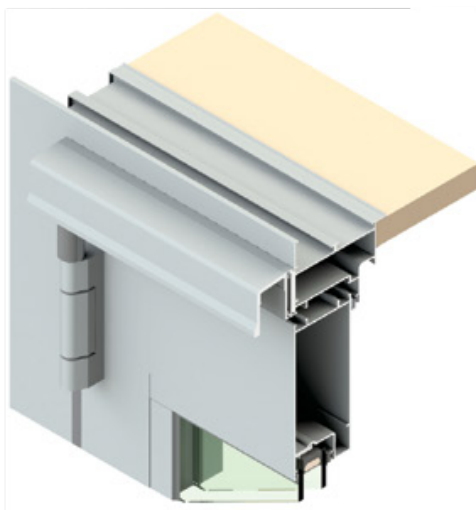
Top Cross Section when nearly closed



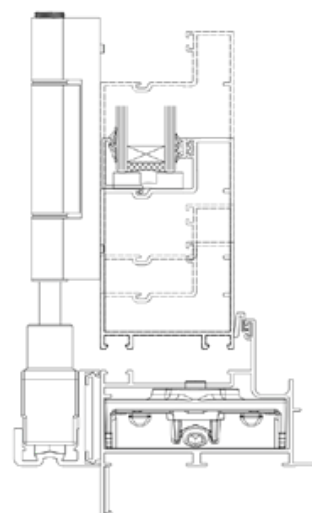
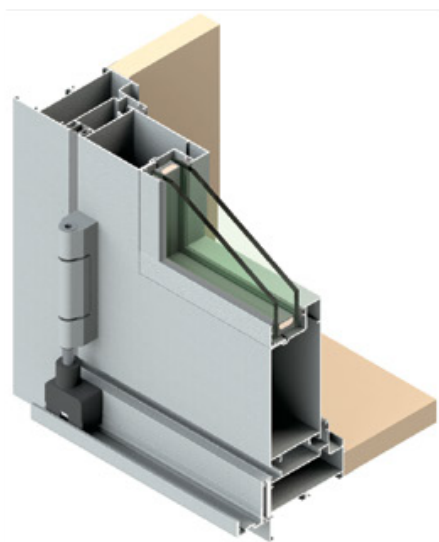
FOLDING

Technical details Folding options **open out**

Folding - Top guide open out



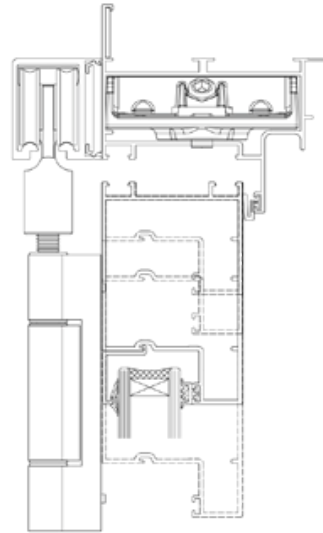
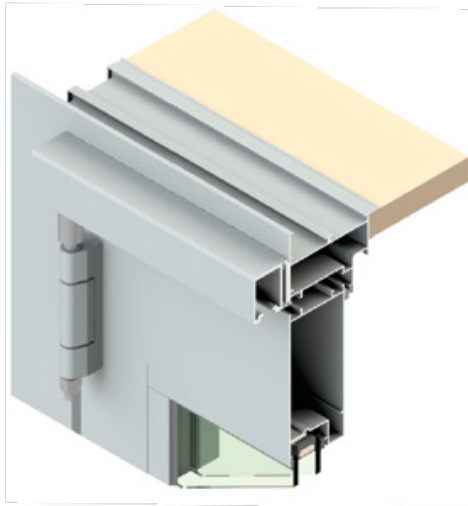
Folding - Bottom roller open out



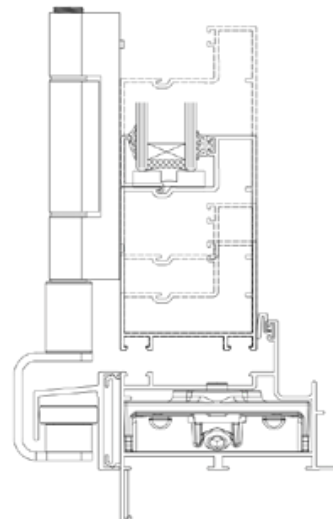
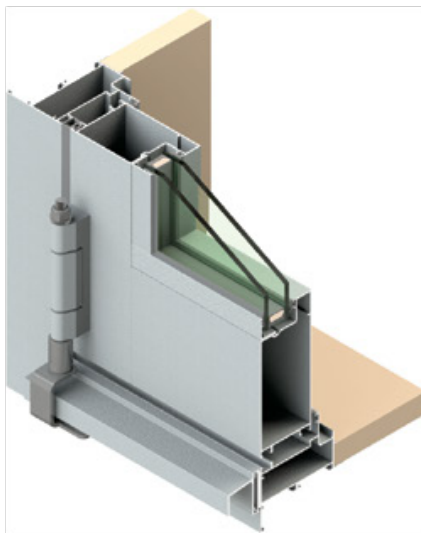
Features

- Square, flat aesthetic with a 19mm flange.
- Open in folding windows and doors can be bottom rolling with the weight carried on the sill, or top hung when the lintel is designed to receive the panel loads.
- Beaded panels take up to 26mm IGUs.
- Freefold options are available for some situations where the panel is required to fold back against the wall.
- Concealed panel and hinge fixings for improved aesthetics.
- Compression jamb hinge for ease of opening.

Folding - Top roller open out



Folding - Bottom guide open out



Sizes

Folding window & door panels are 60mm thick; bead glazed externally for glass thicknesses up to 26mm. Typical folding panel limits are 2000mm height and 860mm width, however, maximum sizes may vary by eight, width, wind zone, and glazing requirements.

The NEXT Architectural Advisors or your local NEXT fabricator can advise whether a configuration is possible.

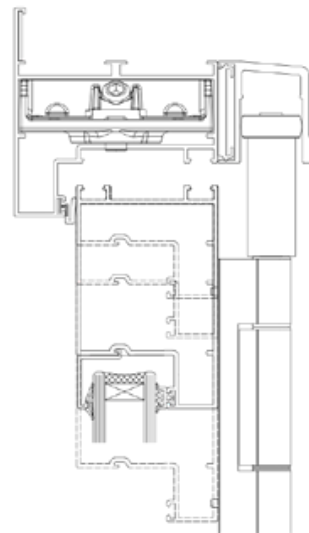
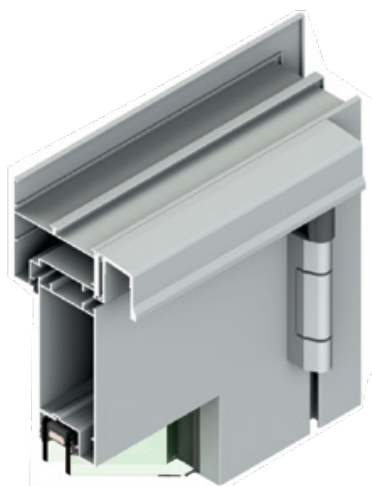
Glazing beads & panel types

- Standard stiles and rails are 79mm.
- Optional 40mm narrow stile and rail options are available.
- Optional 119mm wide stile and rail options are available.
- 2 and 4 point locking options are available.
- Other stile and rail options are available.
- Please note: lock stiles need to be at least 79mm.

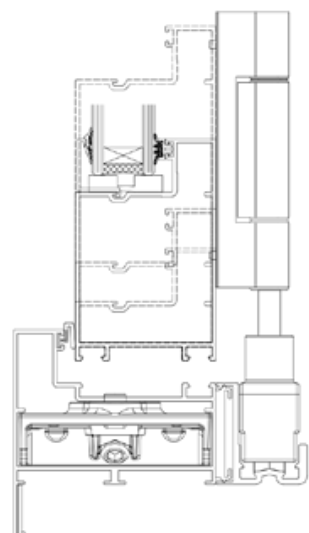
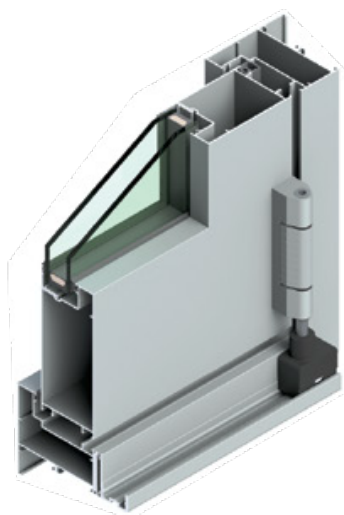
FOLDING

Technical details Folding options open in

Folding - Top guide open in



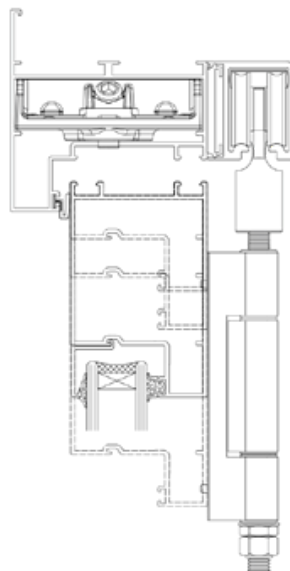
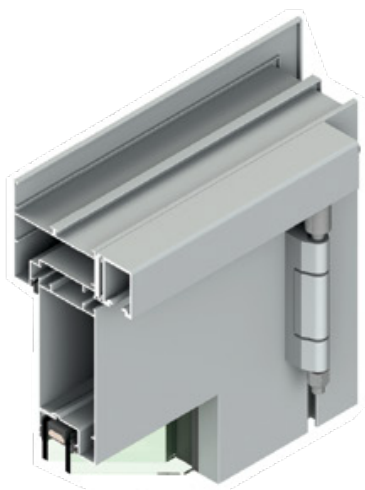
Folding - Bottom roller open in



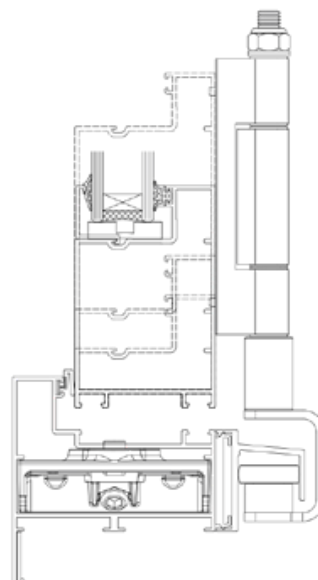
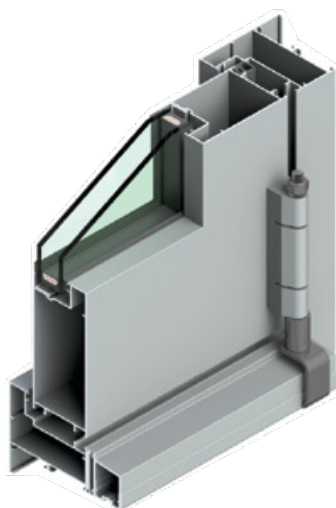
Features

- Square, flat aesthetic with a 19mm flange.
- Open in folding windows and doors can be bottom rolling with the weight carried on the sill, or top hung when the lintel is designed to receive the panel loads.
- Beaded panels take up to 26mm IGUs.
- Freefold options are available for some situations where the panel is required to fold back against the wall.
- Concealed panel and hinge fixings for improved aesthetics.
- Compression jamb hinge for ease of opening.

Folding - Top roller open in



Folding - Bottom guide open in



Sizes

Folding window & door panels are 60mm thick; bead glazed externally for glass thicknesses up to 26mm. Typical folding panel limits are 2000mm height and 860mm width, however, maximum sizes may vary by eight, width, wind zone, and glazing requirements.

The NEXT Architectural Advisors or your local NEXT fabricator can advise whether a configuration is possible.

Glazing beads & panel types

- Standard stiles and rails are 79mm.
- Optional 40mm narrow stile and rail options are available.
- Optional 119mm wide stile and rail options are available.
- 2 and 4 point locking options are available.
- Other stile and rail options are available.
- Please note: lock stiles need to be at least 79mm.

SLIDING

Sliding windows & doors to widen the view

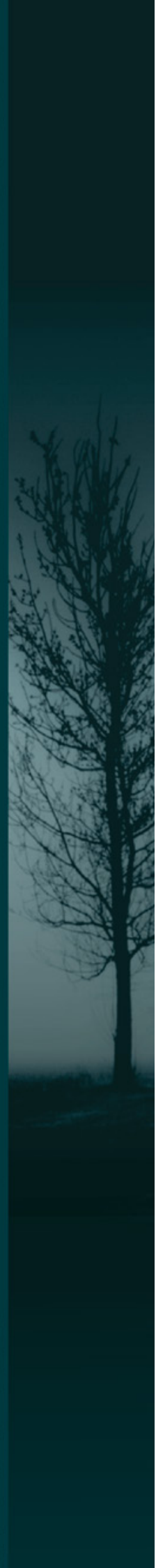
Sliding windows and doors have a simple design. They contain two or more panels in a single frame and move horizontally left and right ensuring you can operate your windows and doors effortlessly and open or close them as much as you want.

The width means they are ideal for large rooms and can frame natural beauty and provide an enchanting view. Moreover, sliding windows and doors can significantly brighten up a room since they are almost entirely made of glass and have no part of the frame that breaks up the center of the glass panel.

Key Benefits

- Provide a clear and unobstructed view
- Excellent window solution for wide opening spaces
- Large glass panels that let in plenty of natural light and increase ventilation
- Simply overlap and do not require any additional space
- Do not protrude beyond the building
- Can make smaller rooms appear more spacious
- Hard wearing and low in maintenance

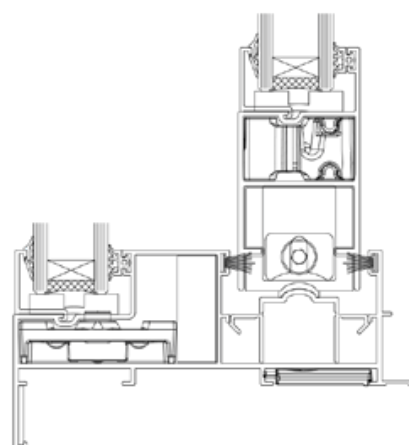
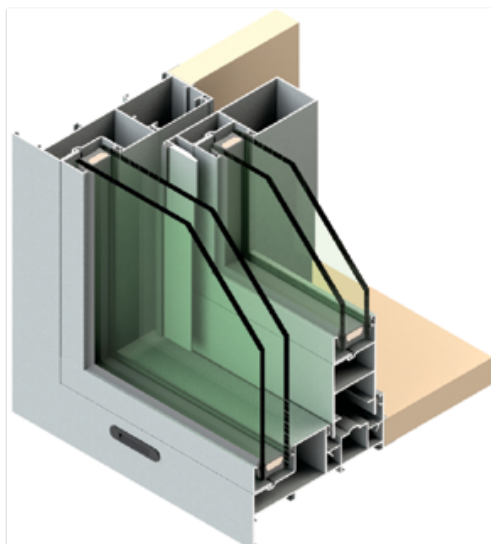




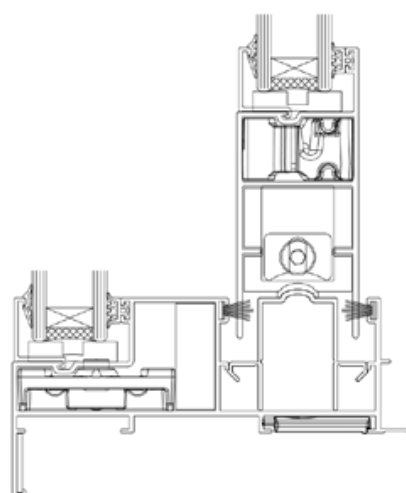
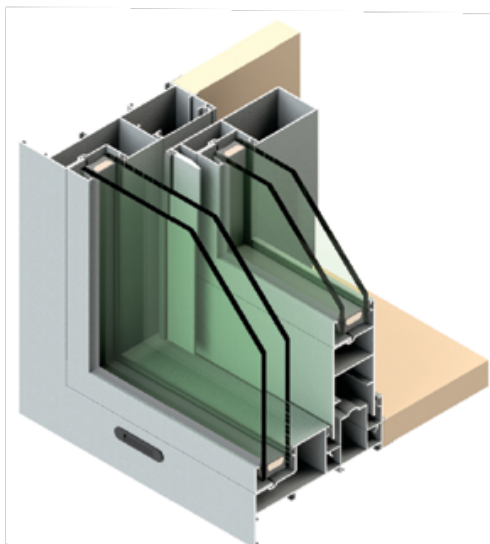
SLIDING

Technical details Sliding options

Sliding Standard Track



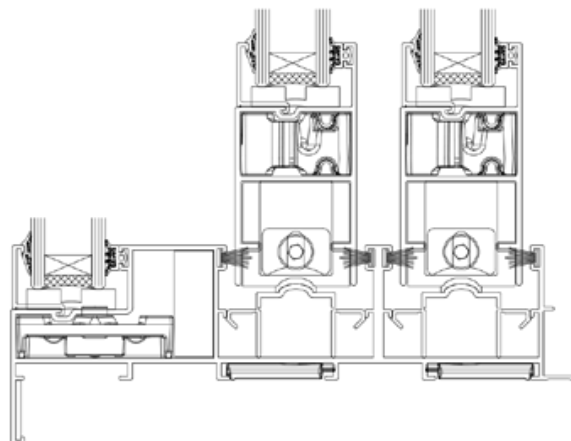
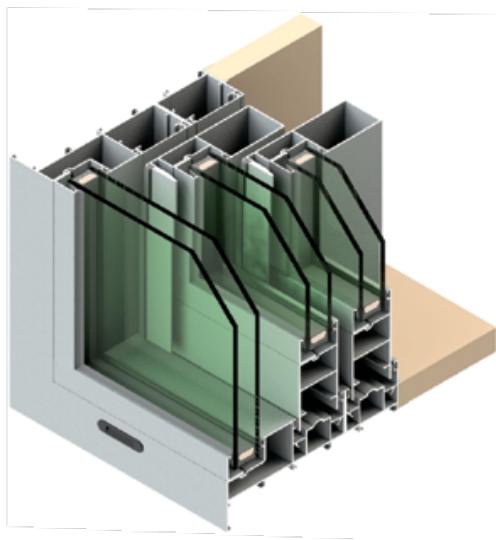
Sliding Flush Track



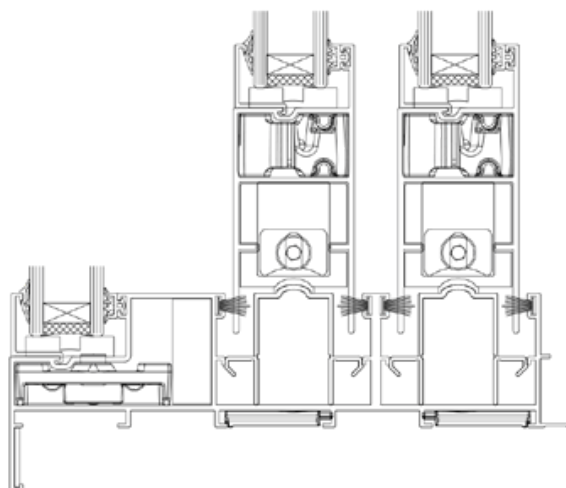
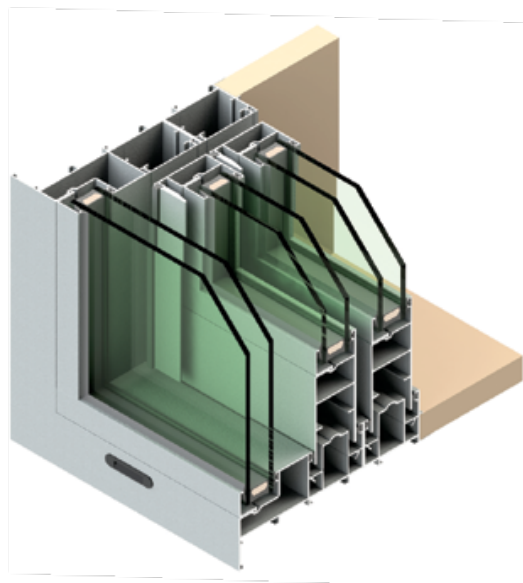
Features

- Sliding windows and doors have a square, flat aesthetic with a 19mm flange, accommodating a range of sash options.
- Fixed glazing, 36mm glazing platform provides a glazing capability of up to 26mm.
- Up to 26mm IGUs in sashes.
- Chair frames option (no flange).
- Concealed panel fixings.
- Elliptical roller wheels allow for more surface area on track for smoother rolling.
- Minimal, slimline interlockers.

Stacking Standard Track



Stacking Flush Track



Sizes

Sliding window & door panels are 36mm thick; bead glazed externally for glass thicknesses and captive panels up to 26mm.

The NEXT Architectural Advisors or your local NEXT fabricator can advise whether a configuration is possible.

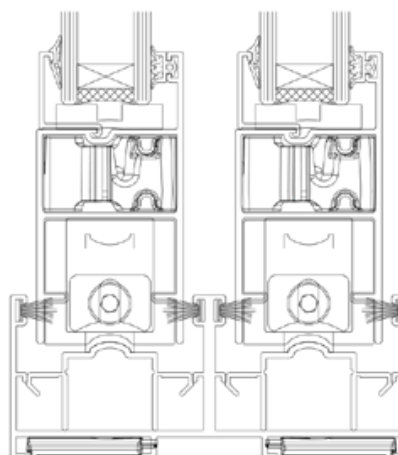
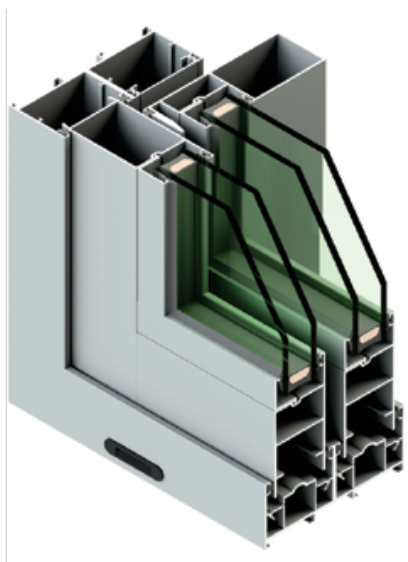
Glazing beads & panel types

- Glazing beads available for glass thicknesses up to 26mm.
- Various interlocker options for varying height and width options are available.

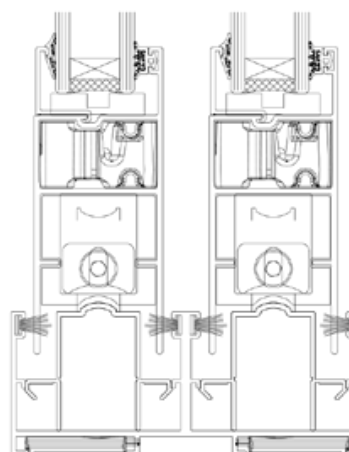
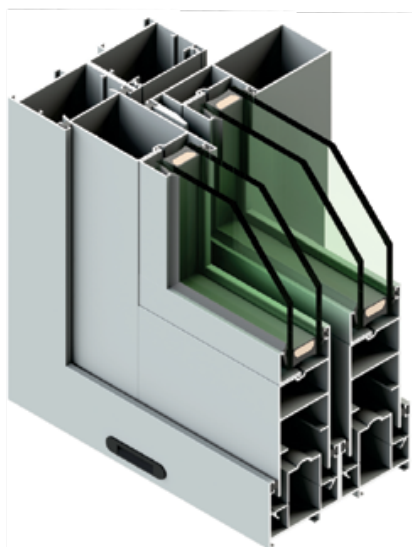
SLIDING

Technical details Sliding multi track options

Double Standard Track



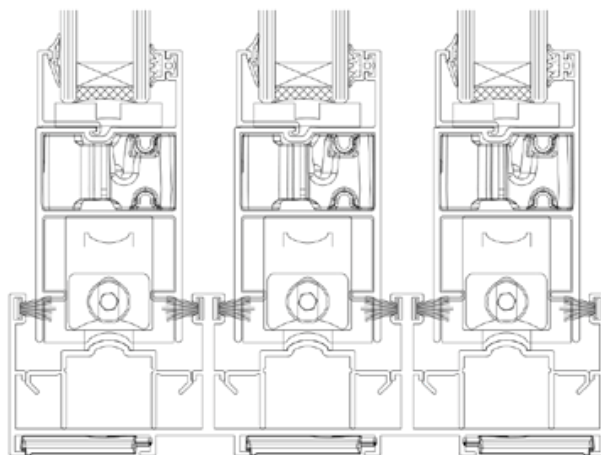
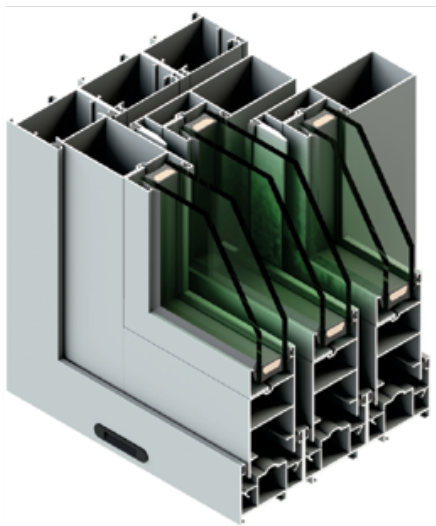
Double Flush Track



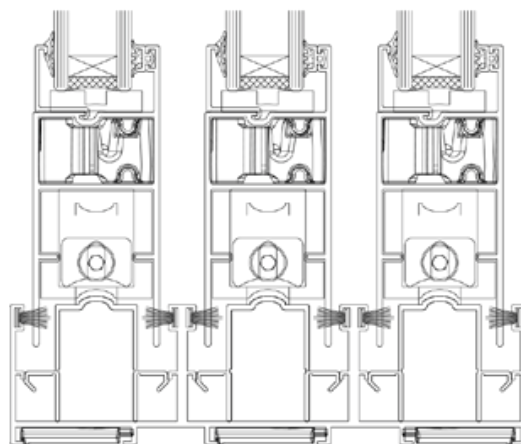
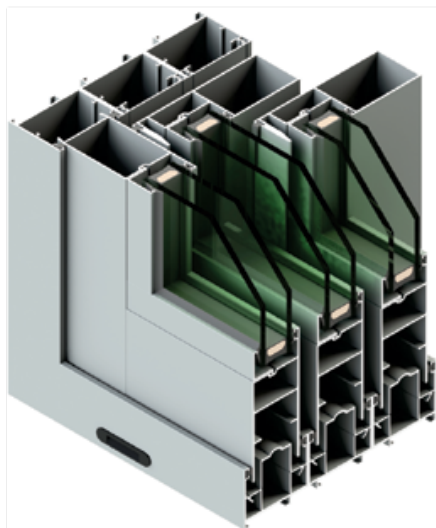
Features

- Frame allows for Multiple Internal flooring finishes and flooring can be rebated to be flush with frame.
- Frames can be stacked up allowing for unlimited sliding panel options including larger spans and panel numbers as well as 90 degree corners.
- Panels can slide multi directional.
- Can be used as over-wall and cavity sliding/stacking doors.
- Distinctive equal sightlines.
- Lead panel can be internal or external.
- Surface area on track for smoother rolling.
- Minimal, slimline interlockers.

Triple Standard Track



Triple Flush Track



Sizes

Sliding window & door panels are 36mm thick; bead glazed externally for glass thicknesses and captive panels up to 26mm.

The NEXT Architectural Advisors or your local NEXT fabricator can advise whether a configuration is possible.

Glazing beads & panel types

- Captive panels provide greater security and take up to 26mm IGUs.
- Glazing beads available for glass thicknesses up to 26mm.
- Various interlocker options for varying height and width options are available.

SPECIAL

Windows that meet the imagination

Windows can be created in virtually any shape to match the slope of a roof or fascia design for greater light attraction and dramatic appearance.

We can also create arched windows to create a dramatic effect in both contemporary and traditional homes and replicate vintage windows by matching irregular shapes. There are several options that can be made between fixed and sliding elements.





COATINGS & COLOURS

An excellent range of finishing choices

Windows and doors add style and flexibility to any home while emphasizing a home's connection to the outdoors.

The colours you choose for the outside of your home may jar when seen from the inside, so choose a colour that works both inside and out. Different finish processes provide unique benefits- an important consideration when choosing your colours. Talk to your NEXT fabricator for more information.

Environmental Impact

The environmental impact of our products is important to our

customers, and it's important to us. That's why we take care to ensure our production processes are as sustainable as possible. Our powdercoatings don't contain Volatile Organic Compounds (VOCs), they are recyclable during the application, and they've been produced using a sustainable manufacturing process. Therefore they have a lower ecological footprint than most other coating alternatives, and our finishes are so durable that the need for replacement coatings is reduced.





CHOOSE YOUR FINISH

NEXT has a range of advanced finishes allowing for near endless possibilities in colour and appearance to suit any style or preference.

Powder Coating

Powder coating is one of the most durable colour coatings available. NEXT's new advanced powder coating facilities are world class and are accredited to WANZ Enduro Colour Powder Coating Quality Standards.



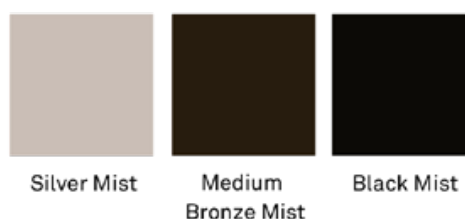
AEONOX™ is NEXT's standard range of colours adopting breakthrough, tough, scratch-resistant powder coat technology with added protection for aluminium surfaces. The super-fine texture finish and advanced formulation will protect your windows and doors during installation as well as from nature's harsh elements and the wear of everyday living.

AEONOX™ is a new generation TGIC Free, Polyester based formula and comes with a 15 year Interpon warranty. As with all of our powder coatings, AEONOX™ does not contain volatile organic compounds (VOCs), is recyclable during application, and is produced using a sustainable manufacturing process.



Anodised Finish

The NEXT anodising process - Mist Anodising, etches the aluminium first which results in a stylish, matt metallic finish that's durable and tough wearing.



Please Note: Colours displayed are a guide only.

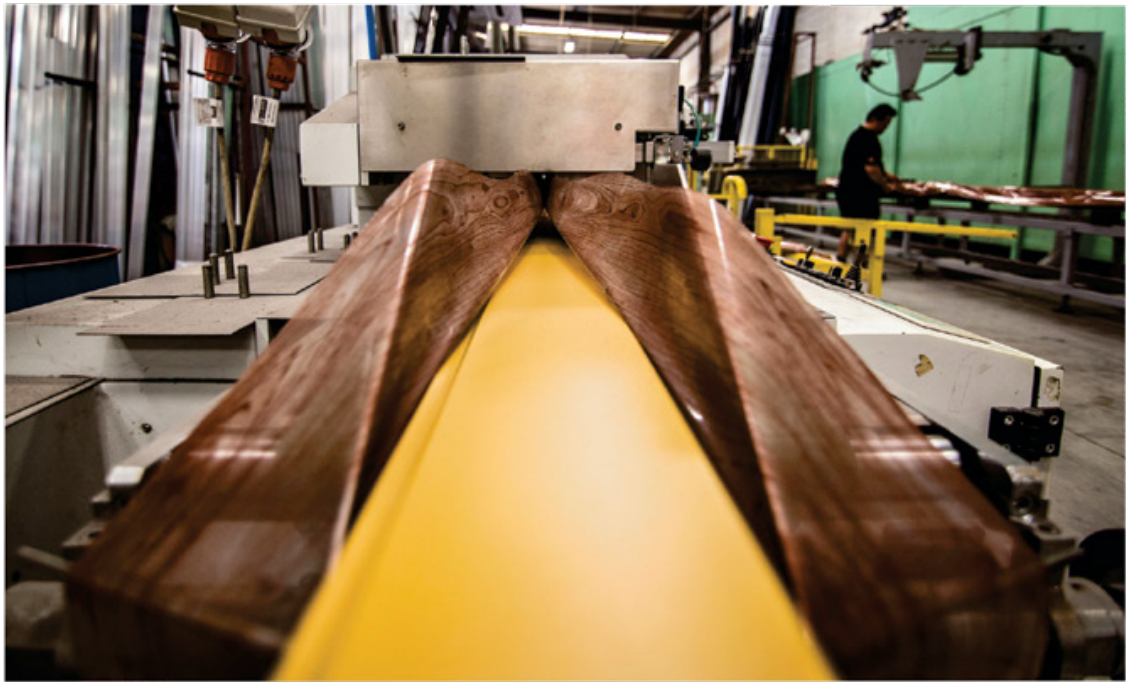
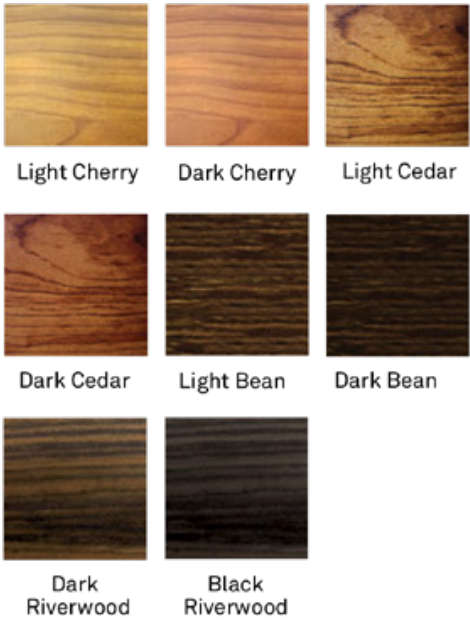
Whilst every care has been taken to replicate colours these are not necessarily colour accurate. We recommend that you use production line colour swatches for final colour selection and approval. Sample chips are available from NEXT fabricators.

Sublimation Finish

NEXT's sublimation finish technology provides an additional decorative layer is fused into the powder coating.

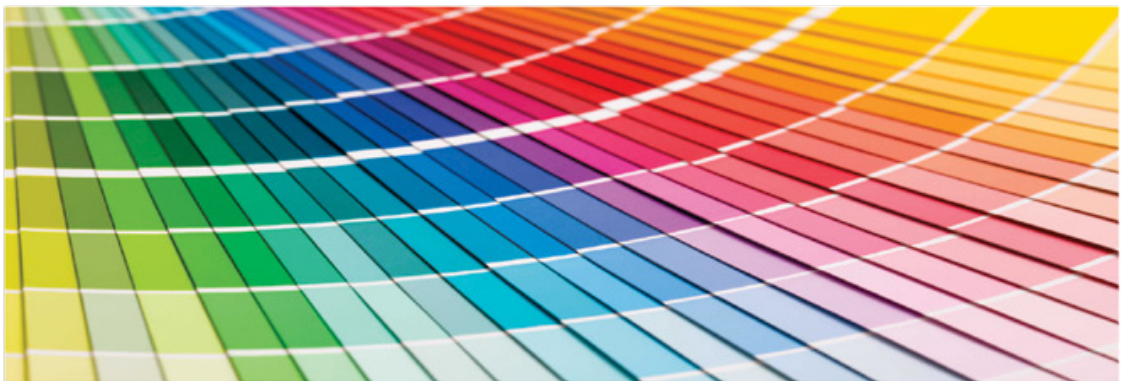
Sublimation is a wood-grain finish that creates the look and feel of timber with long-lasting paint-free durability. Unlike real wood, the sublimated wood finish is virtually maintenance free.

Sublimation wood-grain can be used on front doors for an eye-catching entrance to any home.



Special Colours

We have a virtually unlimited range of powdercoat colours which are available at various price points. You can refer to the colour cards and samples available from NEXT fabricators.



GLASS

The NEXT Glazing Difference

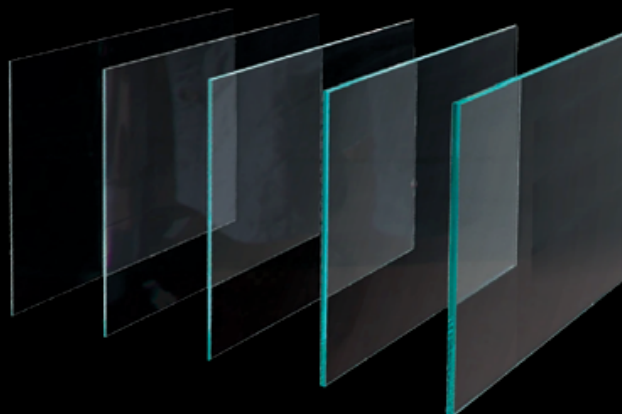
There is a perception that all glass is the same but in fact, there are very real, basic differences in quality and clarity. NEXT has considerable expertise in the field of glass and glass application.

The right glazing options for a home and the costs involved will depend on a number of things. Factors like lifestyle, climate, noise levels and where your windows are positioned need to be considered.

NEXT window and door solutions works to make a home more comfortable. When you combine our exceptional windows and doors with

the optimum insulated glass selection, you'll have a living environment that feels 'just right', all year round.

Optimum thermal resistance for your window and door system will include such factors as the integrity of the joinery, the glazing spacers and low emissivity glass.





XR EDGE

INSULATING GLASS

Spacer technology for longer life

XR Edge is available in all NEXT windows and doors glazing. The key to the effectiveness of this technology is the spacer which is essentially a component that holds the two panes of glass apart within an insulated glass unit (IGU). Its main role is to stop moisture passing into the IGU, preventing the possibility of internal condensation and fogging.

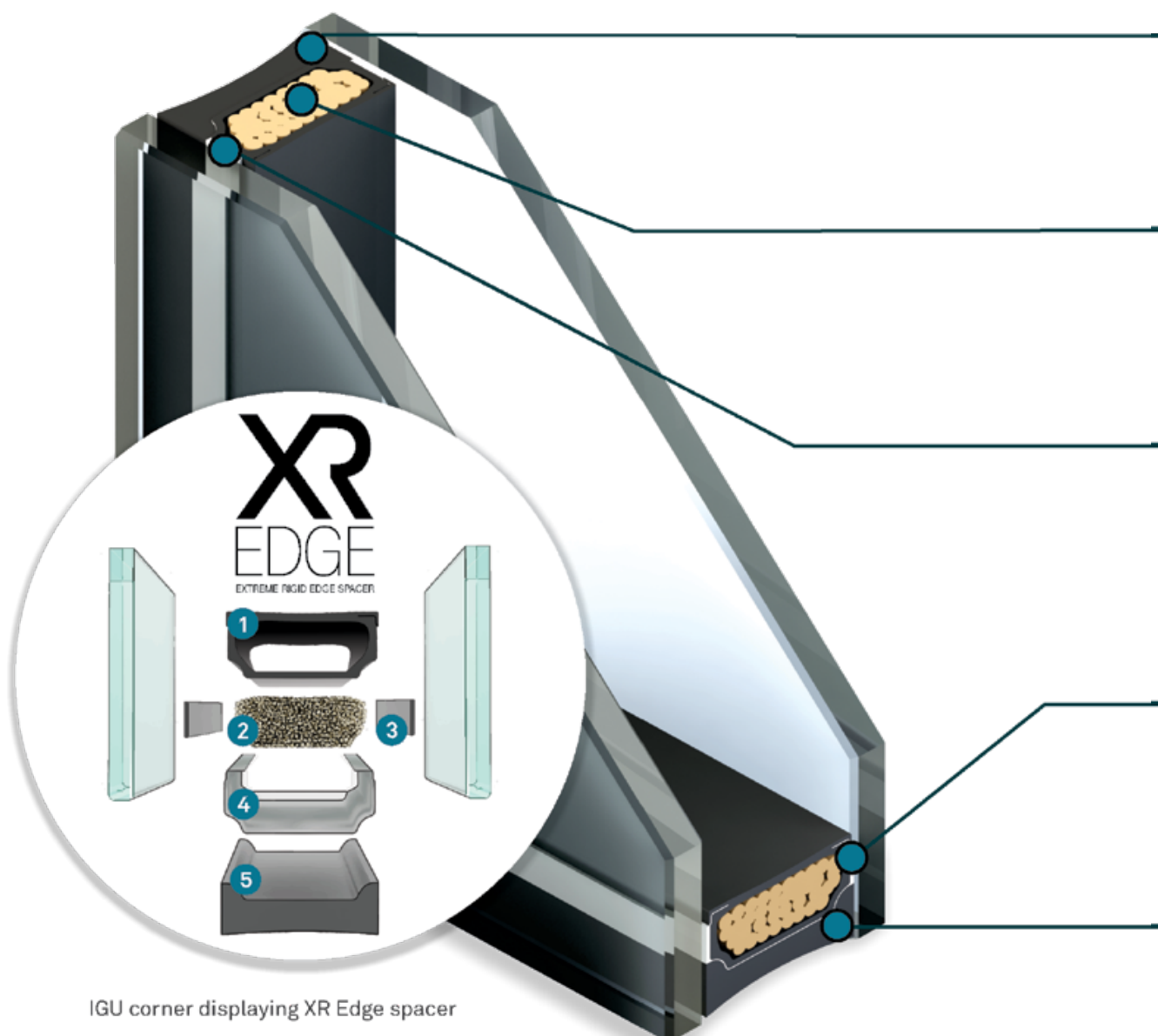
TESTED IN NEW ZEALAND'S MOST ADVANCED INDEPENDENT LABORATORY

FMI's advanced on site laboratory tests to NZ and International standards.

Tests conducted have shown that

XR Edge IGUs are up to 3X more durable than other IGUs on the NZ market.

This means that they can last up to 3X longer.



IGU corner displaying XR Edge spacer

How we compare

FEATURES	ALUMINIUM SPACER	FOAM SPACER	TPS SPACER	XR EDGE SPACER
Rigid Spacer	✓	×	×	✓
Warm Edge	×	✓	✓	✓
Desiccant on all Four Sides	×	✓	✓	✓
Desiccant Moisture Absorption Capacity	50%	35%	35%	100%
Zero External Vapour Permeation	✓	×	×	✓
Stainless Steel External Vapour Barrier	×	×	×	✓

UP TO 3X THE DURABILITY

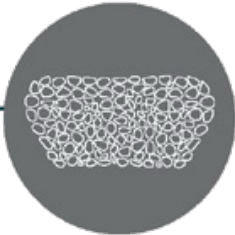
1 Warm Edge Box Structure

A composite box structure that gives the entire spacer unit overall strength and a warm edge performance.



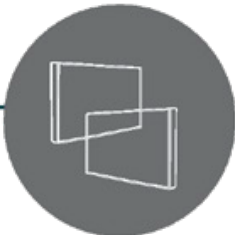
2 Desiccant

Removes moisture from the enclosed air during production and subsequently absorbs water vapor that penetrates until the end of its absorption capacity.



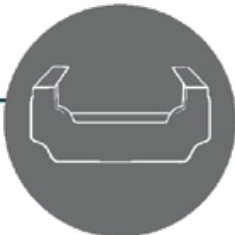
3 Primary Sealant (PIB)

Maintains gas tightness and minimizes moisture ingress into the unit. PIB is applied to the sidewalls of the spacer and creates a seal between the spacer and the glass.



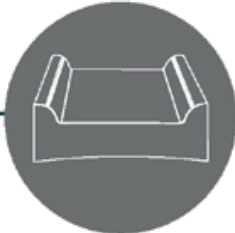
4 Stainless Steel Vapour Barrier

Stops desiccant absorbing moisture from outside of the unit.



5 Secondary Sealant

Provides mechanical stability to the entire IGU and protects the unit from environmental influences.

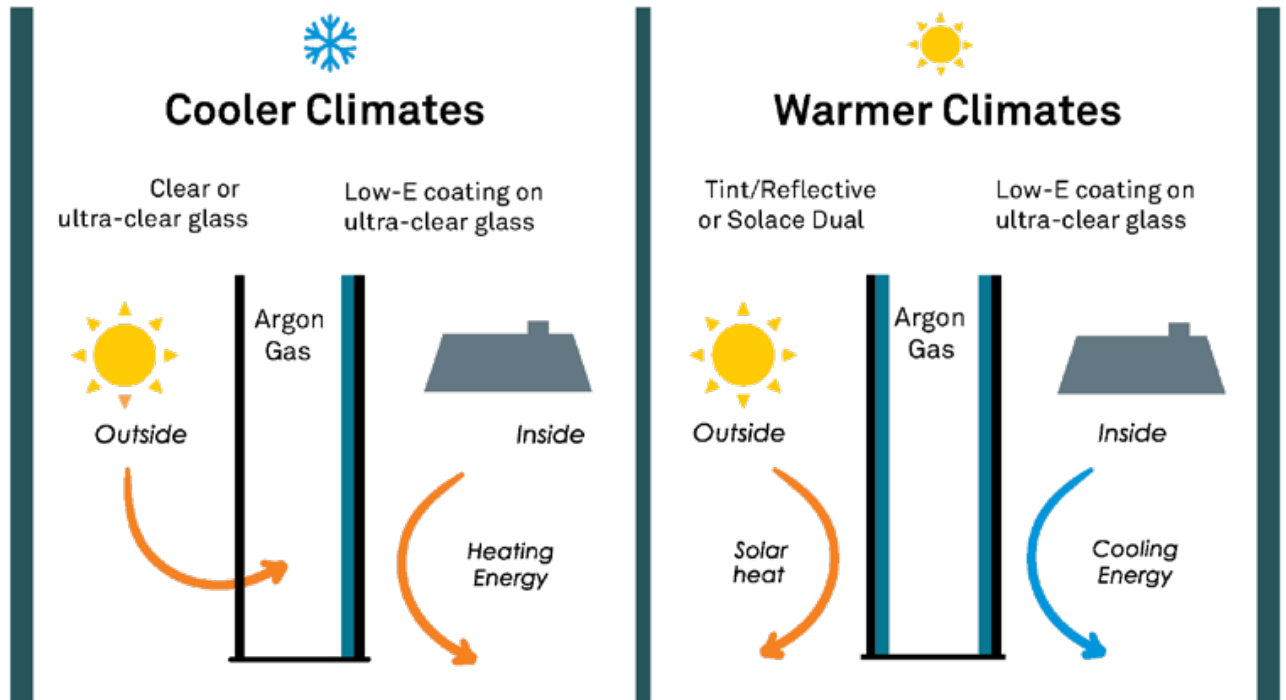


SOLACE LOW-E

INSULATING GLASS

Keeps the heat in, or out.

Solace Low-E is NEXT's low emissivity (Low-e) glass promising the highest thermal performance. An almost invisible low emissivity coating is applied to our ultra-clear glass and placed into an insulated glass unit (IGU).



PERFORMANCE ADVANTAGES

Year round comfort

In cooler climates, Solace Low-E reflects warmth generated from heating systems inwards, cutting window heat loss compared to double glazing without Solace Low-E. Meanwhile, in warmer climates, Solace Low-E reflects cool air generated from cooling systems inwards.

Greater savings on energy costs

Solace Low-E glass ensures your home is less reliant on heating and cooling systems, providing significant energy savings over the course of the year.

Better for the environment

With fewer energy resources required to keep your home healthy and comfortable year round, Solace Low-E offers overall greater energy efficiency. Opting for Solace Low-E ensures your home is a sustainable one.

We only coat Solace Low-E on ultra-clear glass

Unlike other glass manufacturers, we only coat Low-E on ultra-clear glass so our entire Solace Low-E offering retains a high percentage of visible light transmission. For our customers it means no compromise on exceptional clarity for a more energy efficient home.

HEALTH

ADVANTAGES

A clear difference

Studies have shown that natural light is a vital component of our well-being. It improves our mood and reduces stress and anxiety levels and it improves productivity. Solace is the clearest Low-E on the market allowing the maximum achievable, much needed natural light and is especially recommended in living spaces for the elderly and for offices.

CLEAREST CODE COMPLIANT LOW E GLASS
ON THE MARKET

			Rg Value m2K/W	Ug Value W/(m2K)	Solar Heat Gain Coefficient (SHGC)	Visible Light Transmittance
4CL	16Air	4CL	0.37	2.73	0.76	82%
4CL	16Ar	4Solace ¹	0.84	1.19	0.64	83%
4Solace ¹	16Ar	4Solace ¹	0.91	1.10	0.60	83%
4Solace ²	16Ar	4Solace ¹	0.92	1.09	0.42	71%
4Solace ³	16Ar	4Solace ¹	0.94	1.06	0.35	69%
Tinted	16Ar	4Solace ¹	0.84	1.19	0.39	41%
Tinted Reflective	16Ar	4Solace ¹	0.84	1.19	0.31	31%

To Standards EN673, En410 LBL Window 7.8 IGDB v 92
OTM Glass U Value Calculator (OTM measured corrected emissivity for Solace)
CL = Clear Glass Ar = 90% Argon 10% Air Solace 1 on UltraClear Solace 2 and Solace 3 on Clear

HOT CLIMATE

ADVANTAGES

Solar Heat Gain

Solar heat gain in homes and buildings occurs when solar radiation enters directly through windows and skylights. The sunlight enters the room through the windows and heats up the interior surfaces, increasing the temperature in the room. If it is not properly managed, excessive direct solar heat gain can lead to discomfort and the need for additional cooling to maintain a comfortable indoor environment.

Solar heat gain can be significant, especially in warm climates during the summer months.

Managing solar heat gain is crucial for energy efficiency and general comfort and can be achieved by using dual Solace Low-E or tinted reflective glass.



ACCESSORIES

A Style for Every Home

Our handles and locks are available wide range of styles and finishes to suit all build and renovation designs.

We offer a variety of door pulls, handles and locks for both inside and outside in a wide range of styles from traditional to modern and finishes to suit all build and renovation designs. They combine functionality and aesthetics to

complement your beautiful NEXT windows and doors.

We also have a range of electronic keyless entry locks for our Platinum Doors.





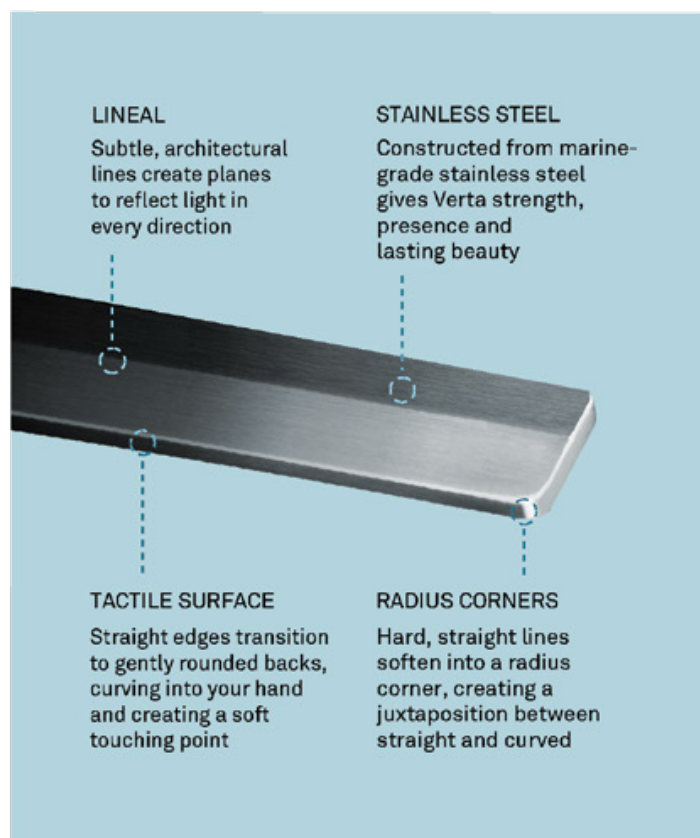
CHOOSE YOUR ACCESSORIES

HANDLES AND LOCKS

Our handles and locks are the perfect choice for any build or renovation. We offer a wide range of styles and finishes to suit all designs that are not just stylish but also highly functional. For the full range of hardware we carry refer to our website or request individual hardware brochures from you NEXT fabricator.

Verta

The stunning Verta range is a combination of classic and contemporary. Verta handles and locks are crafted from the highest grade solid stainless steel and sets a new standard for innovative style for your home.



Kanso

Kanso, the Zen principle of simplicity, is an expression of simple and natural design.

The Kanso suite of aluminium door and window hardware embodies these principles with a look that is subtle and minimalist, yet cohesive and contemporary; a design that reflects harmony and style.

Every element of the Kanso suite has been carefully considered, engineered and tested locally, to ensure strength, style and suitability.



Stella

Sleek and sophisticated with minimal, ergonomic styling and maximum impact. Stella is a full suite of products to complement any modern interior and exterior. The Stella range can be colour matched to your windows and doors for a consistent look throughout your home.



PLATINUM
DOORS

PLATINUM ENTRANCE DOORS

Shaping First Impressions

NEXT has an impressive range of premium-grade aluminium doors that are ideal for both traditional and modern homes.

While aesthetics are important, entry doors must also be functional, durable against the elements and provide security. These additional aspects are vital because doors are a barrier between the living space and the outside world.

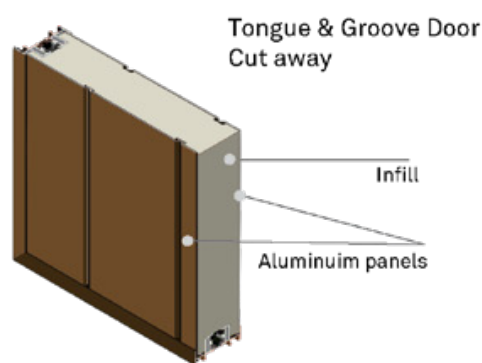
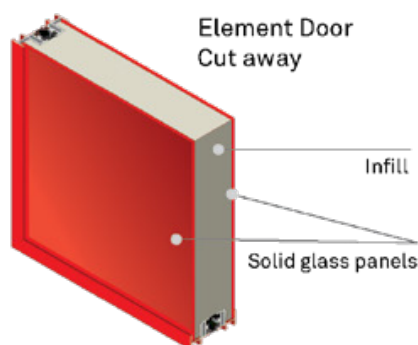
The unique, tested design of Platinum doors makes them extremely waterproof. The high tech design and superior engineering used in the structure of both the doors and the frames ensure a quality product that exceeds required New Zealand standards.





ENTRANCE PANELS

The platinum doors are available in 40mm standard and also in 50mm thickness for added performance



Element

The Element Door is constructed by bonding toughened glass sheets. It offers the latest contemporary style and can be crafted using a solid painted finish for a pop of colour, or with direct-on-glass digital imaging of your choice.



Classic

The Classic Door Range of recessed panel doors will never date and the simple elegant style will complement any house.



Tongue & Groove

The aluminium TGV range replicates the traditional style of a wooden tongue and groove door, resulting in a modern stylish door, without the inherent problems that come with wood.



Solid

The Solid Door offers a more contemporary take on the classic panel doors.

Sidelights

Sidelights create a spacious feel to a home entry and add more natural light to the interior. They match the entry door, come in a variety of sizes and can be on either or both sides of the door.





ENTRANCE HARDWARE

KEYLESS ENTRANCE HARDWARE

We have a range of stylish keyless entrance hardware for absolute convenience and security for safer living. For more in the range see the brochure downloads on the NEXT website or pick up some brochures from your local NEXT Fabricator.

Resolute



For keyless simplicity and peace of mind, the Schlage Resolute Smart mortice lock set (60mm backset) is easy to operate, features Bluetooth technology and advanced security options.

The Resolute's wide profile makes it perfect for retrofitting and modernising outdated hardware, for a seamless smart solution with mortice locking. The lock sets are available in black and silver.



Key Benefits

- Simple access including keypad, key tags, app or back-up key
- Easy to set up and program using the Schlage Breeze app, program access codes for temporary or recurring visitors
- Send virtual keys to guests, via text message from the Schlage Breeze app
- Use voice commands via Amazon Alexa or Google Assistant
- Firmware updates through the app ensure future compatibility
- Convenience of passage or auto locking modes for easy access
- Built-in alarm technology senses potential security breaches at the lock
- Audit trail allows you to see who has used the lock and when
- Random PIN number function protects your entry code
- With remote access via the Schlage Wi-Fi Bridge (optional accessory), send access codes to guests or be alerted if your lock has been tampered with

Artus Smart Lock



The Schlage Artus Smart Lock provides an effortless home security solution with no more lost keys and forgotten combinations. The sleek Schlage Artus Smart Lock, designed with versatility to suit various door profiles. This is the perfect blend of advanced technology with a modern design, offering you the ultimate security and convenience for your home.

The Schlage Artus seamlessly integrates with the Schlage Breeze app, to easily manage and monitor your lock. Retrofit from an existing mechanical solution for a seamless digital solution. Lock sets are available in black and silver.





FMI BUILDING INNOVATION

A Truly Kiwi Company

Innovation and engineering excellence is the FMI ethos and an obsession with detail and perfection is the default standard.

100% kiwi owned and operated, FMI has come a long way from a humble start in Timaru as Fairview Metal Industries (FMI) in 1968. Initially supplying steel windows from a small manufacturing plant, there is now an impressive network of approved fabricators located across the country.

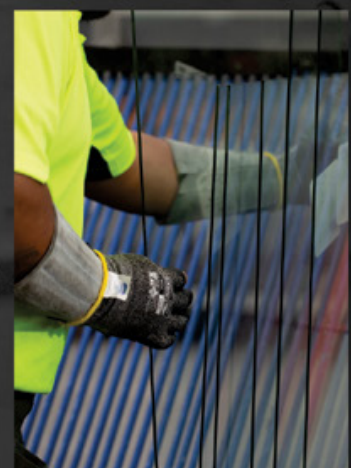
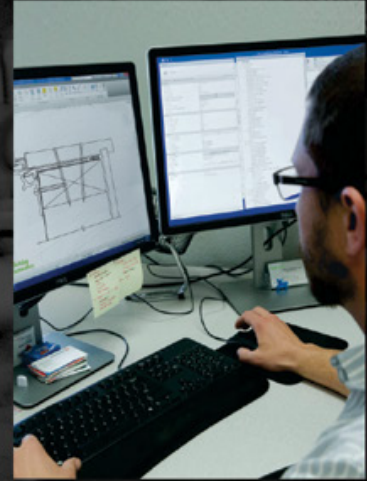
As the FMI product range grows, FMI fabricators are able to offer an extensive range of exceptional window, door and glass solutions.

Over the decades the company's manufacturing knowledge and capabilities grew, as well as the footprint of the wider business.

Customers have come to know FMI as industry innovators, always looking forward, pushing boundaries and pioneering improvements in products and solutions through sophisticated research and testing.

FMI has locations in both the North and South Island of New Zealand that total 46,000 square meters of building space, spanning across 9.2 hectares of land. The head office complex is in Mt. Wellington, Auckland has offices, warehousing, testing facilities, manufacturing and factories and there is an additional office and large glass plant in Christchurch.

fmi Building innovation.



Innovation & Investment

FMI Building Innovation produces a wide range of products including windows, glass doors, aluminium cladding, aluminium doors, frameless glass (balustrades, showers & glass pool fences) and mirrors. All FMI products are designed and tested for our unique New Zealand conditions.

XLAB programme

FMI is ensuring the highest level of productivity with all profiles completely cut and machined via computer programming downloaded directly from FMI's X1 software.

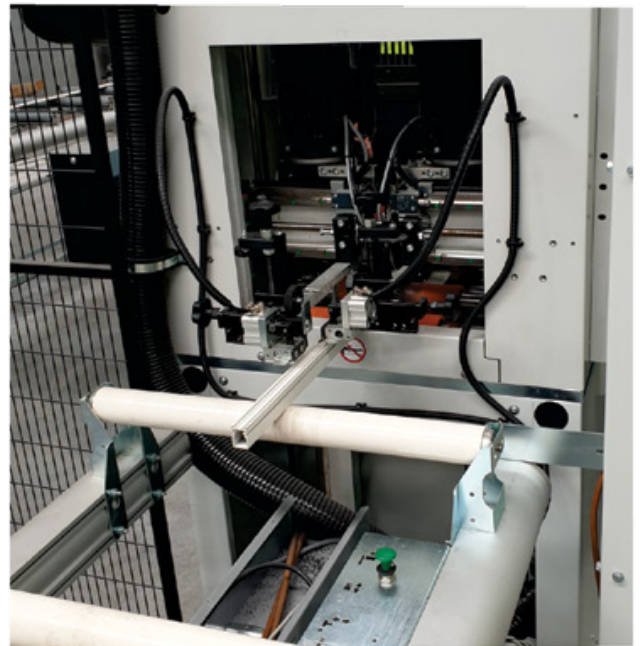
FMI has this state of the art machine linked to X1 to ensure fabricators can use the very latest systems that facilitate high productivity and extreme accuracy.



Thermal Zipping Machine

To meet H1 demand, FMI has invested in a new state of the art, high capacity automated thermal zipping machine.

Extrusion zipping (strut and spacer technology) is used in thermally broken window systems. Individual aluminium profiles are joined using polyamide strips, carefully positioned to maximise insulation properties. The strips are knurled and clamped between the interior and exterior aluminum elements and a machine is used to 'zip' the strips to the aluminium. This creates a single profile with the same strength and expansion properties as a traditional aluminium window frame ensuring long-term functionality and durability.



High Capacity Vertical Powder Coating Line

FMI has made a significant investment at the Auckland complex by installing the most modern high capacity, vertical powder coating equipment on the market. The new plant is tailor-made for the high-performance coating of aluminium profiles with optically controlled, multi-stage quality control management that ensures absolute precision by eliminating variations in the thickness of the powder layer.

Thermally-broken window frames require 2 to 4 times the amount of single profiles to be extruded and powder coated as opposed to non-thermal frames, which is extremely time consuming. To this end FMI has future-proofed the company's ability to supply the industry with a supply line that can run 24 hours a day.

A sophisticated electrical Infra Red (IR) oven has also been added to gell the powder coat prior to entering the curing oven, prevents contamination when running dark and light colours in sequence and eliminates powder loss if profiles touch during the coating process.



Robotics Auckland Glass Plant

The recent installation of a robotics arm to automate the glass lifting process for FMI's Auckland glass plant has had a huge impact on efficiency and productivity.

Capable of lifting single glass panels weighing up to 150kgs, the arm has brought numerous benefits to the operation. Safety has been improved with the need for manual lifting now gone. The quality of the glass is also assured as there is now a single movement process eliminating the possibility of scratching and chipping. The arm has also vastly increased the turnaround speed which is a massive benefit for our distributors.



Eurowood finish technology



Eurowood is FMI's high performance, low maintenance aluminium weatherboard cladding system that creates a drier, more comfortable home year round.

Traditionally, timber battens are used to fix cladding to a wall. This results in multiple closed-off cavities, which inhibit airflow, creating uneven equalisation zones around the house. Our patented clip system addresses this problem, allowing for total air movement.

Eurowood is available in our Aeonox powdercoat range of colours as well as eight woodgrain finishes.



VIG Tempered Vacuum Insulated Glass



VIG combines the best thermal insulation and noise reduction with appealing aesthetics allowing seamless integration into existing frames or new windows and doors.

Landvac has the most advanced VIG technology, optimizing indoor comfort by outperforming conventional IGUs (Insulated Glass Units). FMI has exclusive rights to supply New Zealand with LandVac, the world's leading VIG glass.



Proudly Kiwi owned and managed, FMI Building Innovation is a strong family of interconnected brands offering exceptional building solutions to architects, builders, trade customers, and an extensive fabricator network across the country.



NEXT Generation technology windows & doors

NEXT supplies joinery through an extensive network of independent fabricators who have a deep understanding of their local markets.

Our reputation is built on delivering innovative and high quality solutions to customers with specific design needs. With research & development, specification and technical teams in house, we can help develop window and door solutions for you no matter how challenging your design is. Whether you're experienced at building and renovating, or beginning your first dream home, a NEXT expert can help you to find the best windows and doors solution for you.

Talk to us, we're here to help.