



STÄRKE
windows and doors

windows created for life



Here at Stärke we strive to make things easier, to make life better, and simplify your world.

In a complicated world, our mission is simple. Here at Stärke we strive to make things easier, to make life better, and simplify your world.

Stärke is a fully integrated window and door design and manufacturing business. We've sought out the best in world leading design and manufacturing technology to create our range of windows and doors, which are specifically designed for our unique conditions. Strength is built into each element of our product, for long lasting durability and safety. Designed for the real world, with the input of people who touch windows and doors everyday, our products are created for life.

In our Auckland facility we have 'state of the art' powder coating equipment with the latest spray systems direct from Switzerland, combined with Eco-friendly treatment systems that ensure that while we're looking after you, we're also looking after the environment.

Our team has strong links to the industry, with experience in windows & doors over three generations. This knowledge which is growing with us each year has formed a team with a solid understanding of the product and ability to find the solution to meet your needs.

The team at Stärke are dedicated to understanding your unique requirements, ensuring the best outcome, backed by proven technology and design methods. The team will assist you in the exciting journey from the beginning to the end of your project, and beyond.



Why Stärke

After 30 years of fabricating New Zealand's most popular window and door systems - Now we've created Stärke, Enjoy the distinct advantages.

Created for life.

Experienced Team

Operating in the window & door market with over 70 years of combined experience and who have worked with some of the largest construction companies in NZ.

Competitive

With lean manufacturing and excellent buying powers we can bring you more for less.

Excellent Lead Times

With resource on hand, we are always willing to go the extra mile.

Product Guarantee

Our products are tested to meet New Zealand and Australian standards. Windows & doors for 5 years and most suppliers products have warranties from 10+ years.





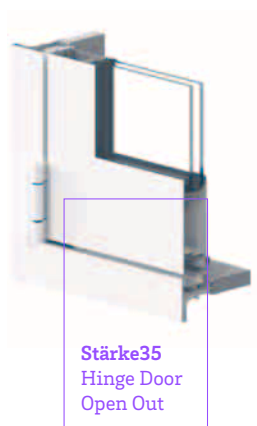


Residential & Architectural Suites

The residential range is designed with your home in mind. Strength is built into each element of our product for long lasting durability and safety. With a full range of residential & architectural, Stärke has a solution to meet your needs. The Stärke product range has been developed specifically for the New Zealand and Australian markets and tested to exceed New Zealand and Australian standards.

For Residential homes we recommend Stärke35. For larger residential and commercial applications the Stärke40 is ideal, with the ability to create large openings and a bold aesthetic statement.





Stärke35

Stärke35 is a full residential range. Suitable for most housing and multi-residential environments. Full range including Awning and fixed windows, Open in and Open out Hinged doors, Bifolds, French Doors, Sliding and stacking Doors.

- Tested up to and beyond New Zealand and Australian standards
- Mullion and panel spigots for increased strength
- Up to 150kg Sliding Door Panel Capacity
- Superior water performance

The Stärke Difference

- 25mm Flange to give you better cladding coverage for NZBC, E2 weather tightness requirements.
- Spigotted Mullion, transom & panel joints - eliminate penetrations and visible fixings in all door panels.
- Sight lines are consistent and clean - flat face frames.
- Strength is built into each element of our product for long lasting durability and safety
- Flush sill sliders and stackers

Stärke40

Stärke40 is designed for larger architectural, commercial applications and more demanding environments, with the ability to create larger openings and a bold aesthetic. Full range including Awning and fixed windows, Open in and Open out Hinged doors, French Doors, Bifolds, Sliding and stacking Doors.

- Tested up to and beyond New Zealand and Australian standards
- Mullion and panel spigots for increased strength
- Up to 300kg Sliding Door Panel Capacity
- Superior water performance
- Stronger than the 35mm suite – made for larger applications.

Aluminium Entry Door Range

We have a range of stylish entrance door designs* to suit any style of home. Aluminium doors are extremely durable and suitable in situations exposed to the weather.

Your door will be powdercoated to the colour of your choice.



*Other panel styles are available if required



Entry Doors Specialty Colours

All entrance doors are available in the standard powdercoat colours and in the eight specialty botanic bounty colours shown on this page. Prices vary between ranges.

Note: The colours represented on this colour chart are indications only. Due to limitations of the printing process, these swatches may not represent the true colour. Where colour is critical, please contact us for powdercoated samples.



Blue Poppy
Botanic Bounty

Moss Grove
Botanic Bounty

Sugar Snap
Botanic Bounty

Sunflower Field
Botanic Bounty

Entry Door Hardware

- Apex 143 & Apex 146 available in Brushed Nickel* or Powdercoat finish.
- Apex 142 only available in Brushed Nickel* finish.
- All Apex handles are available in 450mm or 600mm lengths
- Optional bluetooth module for the Yale Digital lock

Dark Cedar
Woodgrain

Supertom Relish
Botanic Bounty

Red Delicious
Botanic Bounty

Rollicking Orange
Botanic Bounty



Apex 143
Pull Handle



Apex 146
Pull Handle



Apex 142
Pull Handle



Yale Digital
Lock
SYDM3109



Yale Lock -
Mechanical
SL7200SCLS



Hinged Door
Lever Handle

*Note: Brushed Nickel finish has a 6 month warranty

Glass Selection

Stärke uses glass that is compliant with NZS 4223 in all window & door units. Therefore you can trust us to ensure your glass meets the safety requirements so that your family or colleagues are safe.

Glass also plays a big role in the comfort of your home. When optimized, double glazing acts as an insulator as the air space reduces noise, and the transfer of heat or cold from inside to the outside & vice versa. Other types of glass such as Low E glass can further improve the thermal efficiency. In Winter when it is cold outside, less warmth escapes through the glazing units and, in summer, it can reduce the heat gain and U.V rays from outside and ease the load on your cooling system or Air- conditioning.

By combining different glass types and thicknesses you can choose a high performance option that suits your individual needs.

Types of Glass

Single Glazing

Single glazing is a single piece of glass, therefore does little to reduce transfer of heat, light, sound or U.V.

Laminated Glass

Laminated glass is a type of safety glass with two panes held together by a clear vinyl interlayer. Laminated glass is often used for sound reduction and to reduce fading.

Obscure Glass

Obscure glass is used for privacy as it restricts the visibility through a window. It is commonly used in areas like bathrooms.

Double Glazing

Double glazing or an insulated glazing unit is made of two layers of glass with a sealed air space between.

Low E Glass

LowE Glass has a coating which improves its thermal efficiency. The coating is virtually invisible, but will have a positive impact on the heat transfer through the glass.

Tinted Glass

Tinted glass can be used to reduce the glare and fading from the sun or as an aesthetic feature. Grey tinted glass is common in New Zealand homes.



Etchlite



Stippolite



Clear



Grey Tint



Green Tint



Bronze Tint



The Right Glass for Heat, Light & Sound

Choosing the right glass for your windows & doors can be challenging with the many types of glass available.

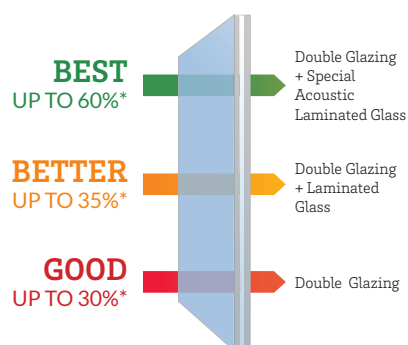
The main factors to think about when choosing your glass are heat, fading, sound and light. By choosing the right glass for your windows, you can dramatically increase the energy efficiency and comfort of your home. All Stärke windows & doors comply with the NZ Building code NZS 4223.



Sound

With compact housing and traffic or industrial noise, sound reduction is an important factor when choosing glass. There are a range of glass types that will reduce sound, but it does depend on the frequency and pitch of the sound as to what type of glass is most effective.

A double glazed unit has significantly better acoustic performance compared to single glazing, however laminated glass is the most effective option.

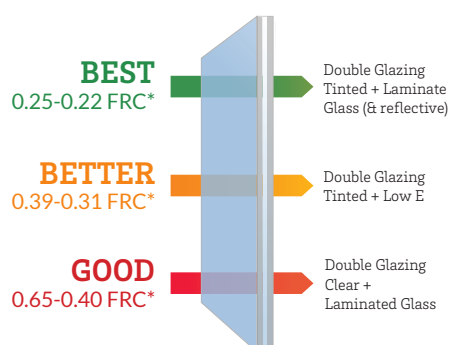


*PSR - Perceived Sound Reduction % in comparison to 3mm clear float glass. Percentages vary depending on glass combinations.

U.V / Fading

U.V Damage or fading to furnishings is something that is often thought about when selecting glass. You can reduce fading by selecting glass that reduces the U.V transmission through the window.

Tinted glass is an effective option for reducing fading as the interlayer absorbs the UV Light. To further reduce fading we suggest to combine tinted glass with laminated glass. Reflective glass is the best to reduce fading, but it is not commonly used in homes.



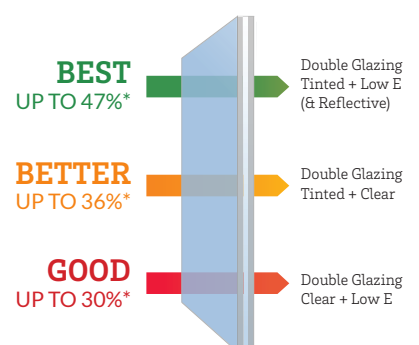
*FRC = Fading Reduction Coefficient compared to 3mm clear Float. Performance depends on glass combinations.

Heat Gain

Heat gain from the sun is a common challenge in New Zealand homes. Double glazing can help maintain inside temperatures by reducing the heat transfer from outside.

Tinted glass and Low E will further reduce the heat gain as they absorb solar energy.

Reflective glass is the best option to reduce solar heat gain, but it is not commonly used in homes.



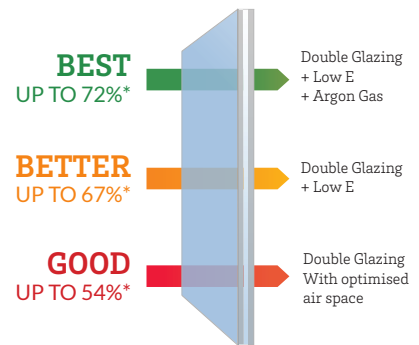
*Reduced solar heat gain in comparison with clear on clear double glazing. Percentages vary depending on glass combinations.



Heat Loss & Condensation

A standard double glazed unit will effectively reduce your heat loss and condensation in comparison to a single glazed window.

To further enhance the insulation, we recommend you combine double glazing with Low E and Argon Gas as the best solution with up to 70% heat loss reduction compared to 4mm clear single glazing by keeping the inner pane of glass warmer. Thermal Spacers can further enhance performance and help reduce condensation. Note: Double Glazing does not eliminate condensation.



*Improved heat loss reduction in comparison with 4mm Clear Float. Percentages vary depending on glass combinations.

Light & Glare

The glare from the sun can be frustrating in areas exposed to the sun. Glare can be minimised by choosing glass that reduces the light transmission.

Low E coating helps to reduce light transmission, tinted glass will further reduce the glare. Reflective glass is the best to reduce light and glare, but it is not commonly used in homes.

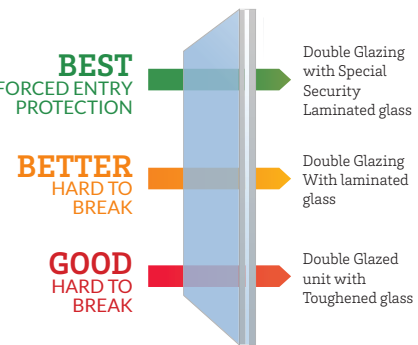


*VLT% is the approximate visible light transmission. Percentages vary depending on glass combinations. Clear on clear double glazing has a VLT of approx. 80%

Safety & Security

Your safety is important and the NZ building code stipulates that certain sizes or locations must be able to withstand impact without breaking. Standard safety glass will shatter rather than break, however there are special glass types with varying penetration resistance through to bullet resistance glass.

All Stärke windows & doors comply with the NZ building code. For standard safety requirements, toughened or laminated glass is sufficient.



Glass designed for forced entry protection is usually only selected when high security is required.

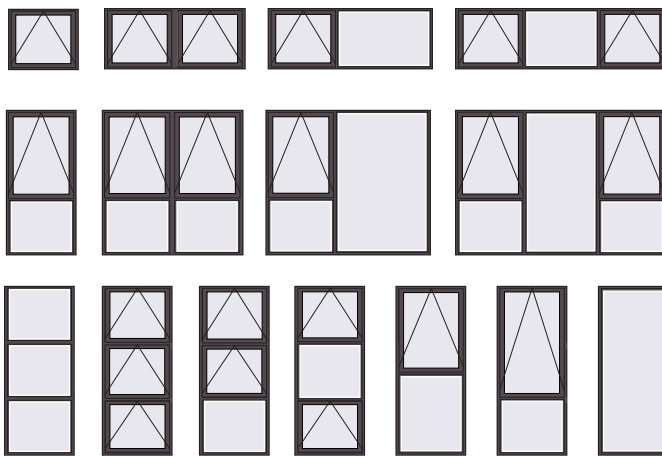
Awning & Casement Windows

Awning windows are designed and made with a number of critical differences incorporated. We take into account the variable weather patterns, the need for clean flat designer profiles, security, and ventilation.

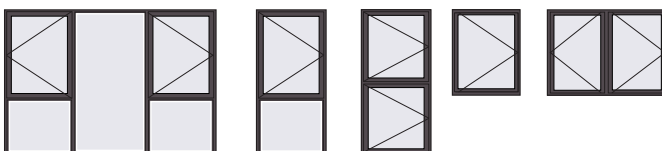
Awning windows open from the bottom and casement windows open from the side. Both are a simple opening option which will provide ventilation and let in the natural light. Restrictor stays are included where required according to building code to maintain safety of your family and occupants.

Configurations

Awning Windows



Casement Windows



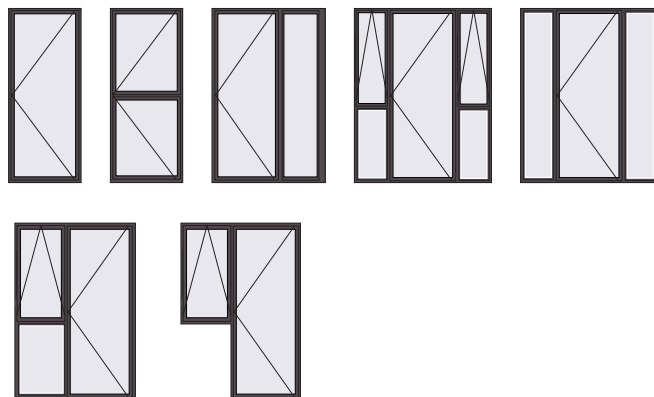
Hinged Doors & French Doors

Hinged and French doors are ideal for easy access in and out of your home. The designer, flat faced, square look of the Stärke Profiles give your doors a real panache and will have your guests appreciating your taste. For extra security and peace of mind you can add in multiple locking. French Doors give you an option for a larger opening with both panels hinging out.

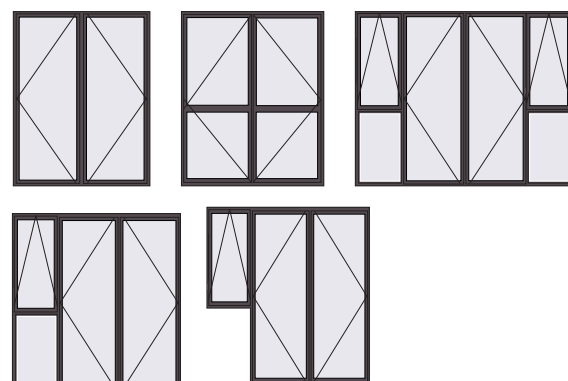
Key Features

- Spigotted Mullion, transom & panel joints - eliminate penetrations and visible fixings in all door panels.
- Square flat faced frame for a modern designer look

Configurations



French Doors



Sliding Windows & Doors

Sliding windows & doors are a great option for opening out to a deck, pathway or servery as the door doesn't obstruct a walkway like a hinged door panel.

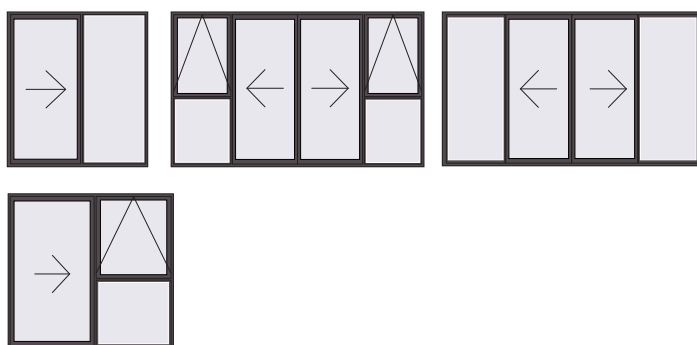
Sliding Doors can be made with a vision rail through the centre or have a full pane of glass to maximise your view and give your home an open feel. You can also have fixed or opening windows on the side of a sliding door for ventilation.

Key Features

- Spigotted Mullion, transom & panel joints - eliminate penetrations and visible fixings in all door panels.
- No hinged panels obstructing the outside or inside
- Flush sill track option to enhance indoor-outdoor flow & to reduce accumulation of debris and provide a level threshold
- Smooth sliding track for easy operation

Configurations

Sliding Doors



Sliding Windows





Stacker Windows & Doors

Stacker windows & doors are an excellent way to add a touch of style and practicality to your home. A perfect way to enhance your indoor/outdoor flow without hinged panels protruding onto your deck

Designed with strength, Stärke Stacker doors have the ability to span long lengths for practical minimalistic solutions and to allow natural light into your home. Large stacking panels and the flush track sill connect you seamlessly to the outdoors - extending your living space.

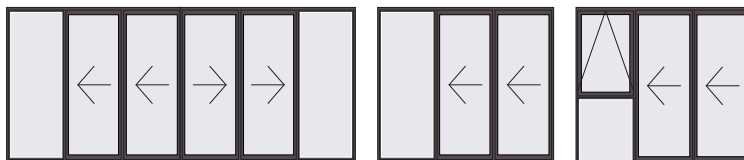
Key Features

- Spigotted Mullion, transom & panel joints - eliminate penetrations and visible fixings in all door panels.
- No hinged panels obstructing the outside or inside
- Flush sill track option to enhance indoor-outdoor flow & to reduce accumulation of debris and provide a level threshold
- Smooth sliding track for easy operation



Configurations

Stacker Doors



Stacker Windows





Bifold Windows & Doors

Bi-folds are the perfect solution to maximise your opening with door panels folding and sliding to one or both ends creating a large panoramic opening. Bifold windows are often used in a kitchen area to connect the preparation area to the outdoor area - a perfect option for those that enjoy entertaining friends and family.

The Stärke bifold is strong and durable, engineered for high panel weights.

Key Features

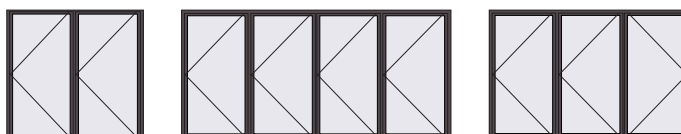
- Large opening, great for outdoor or high traffic areas
- Engineered & tested for high panel weights
- Strong & durable mechanism

Configurations

Bifold Windows



Bifold Doors





Powdercoat Colours

Colour is a language all of its own. It says a lot about you and the project that you designed and built. Colour adds emotion, excitement and flair to any structure, defining the space and complementing the environment where it is used.

All windows and doors are available in the Swift and standard range. The Swift range is a selection of the most popular and cost effective colours. Prices vary between ranges. For colours outside of the standard range, please contact us or download a full Dulux powdercoat chart from our website.

Stärke is a Dulux Accredited Powder Coater. The coatings are applied in accordance with manufacturers specification and supported with quality control procedures. Dulux undertakes regular inspections to ensure Stärke meet the requirements and warranties. Stärke also undertakes its own tests and recordings on all individual batches. Dulux can provide a 10 year warranty for Duralloy and 20 years for Duratec coatings.

Note: The colours represented on these colour charts are indications only. Due to limitations of the printing process, these swatches may not represent the true colour. Where colour is critical, please contact us for powdercoated samples.

Swift Colours



Matt Canvas Cloth	Matt Ghost Grey	Rivergum Beige	Warm White Pearl Kinetic	Almond
Matt Bone White	Silver Star Kinetic	Matt Desert Sand	Bond Rivergum	Matt Mist Green
Matt Bronco	Matt New Denim Blue	Matt Scoria	Matt Permanent Green	Matt Lichen
Window Bronze Kinetic	Matt Charcoal	Matt Lignite	Matt Karaka	Medium Bronze

Standard Colours



Window & Door Hardware

The Aria hardware range is used on our windows & Doors. It is a good quality proven product with a 10 year mechanical warranty. Our hardware range is not limited to the products pictured below. Please contact us to discuss other hardware options for your window & door project. Prices vary between ranges.







StärkeCommercial

With a full range of commercial window and door products, Stärke has a solution to meet your needs.

The Stärke product range has been developed specifically for the Australian & new Zealand markets and tested to exceed Australian and New Zealand standards.

StärkeCommercial can be adapted and extended to meet the needs of specific projects as required.

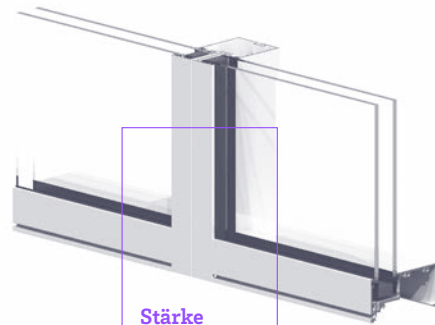
Commercial Suite Features

The StärkeCommercial range is designed with high seismic capacity and includes centre, flush and 2-sided structural glazed frames, featuring unique fully sealed end dams to ensure high performance water management.

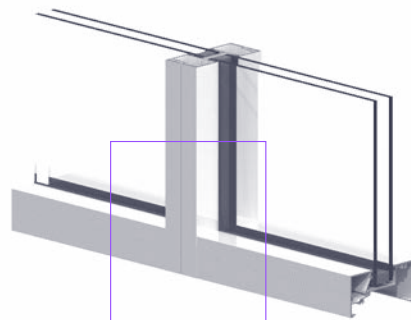
Strength is built into each element of our product for long lasting durability and safety and with the flat face frame design, sight lines are consistent and clean.

- 106mm centre and flush glaze
- 106mm structural glaze
- 138mm flush and structural glaze
- 159mm flush and structural glaze





Stärke
Commercial
FlushGlaze



Stärke
Commercial
CentreGlaze

Architects Specifications & Details

Specifications, DWG's and details are available for the Stärke window & door range.

If you would like to access these files, please call us or email sales@starke.co.nz



StärkeSwift Series

StärkeSwift Series is a new concept to improve build times and therefore reduce costs. We stock the Swift range of components to provide a faster, more efficient solution. Available only in the popular 8 Swift Colours

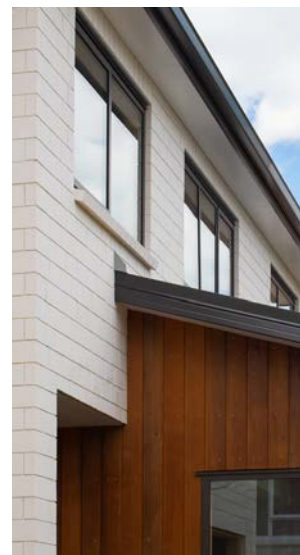
How this helps you

By stocking the components ready for immediate production we can:

- Shorten up the lead time for delivery to site
- Make considerable cost savings as we are able to buy all materials in bulk, and also ensure safe stock levels for our customers.
- Stärke liaises with your frame & truss supplier and builder to ensure the window openings conform to the Swift Series sizes - saving you time with no site measures needed.

StärkeSwift Series Details

- 35mm Stärke Residential suite tested to NZS4211
- **25mm flange** on all units for more cladding cover.
- Available only in the Stärke Swift Powdercoat range of 8 colours.
- Glass is Clear or Grey Double Glazing to NZS4223 requirements.
- Obscure safety glass type is Etchlite
- Standard **Head Flashing** and **WANZ Bars Sill support** included
- **Flush sill sliding doors** for no trip hazard and to reduce debris collected in the track cavity.
- Spigot joins for strength, weather-tightness and no visible fixing holes in door panels
- Black ARIA hardware included.
- 19mm Pre-Primed H3.1 Pine Reveals included.
- All joinery is viewed from the outside.
- **10-year glass, hardware & manufacturing warranty** included
- Delivery to site is additional (Depending on order size and delivery location)
- Site glazing is additional





Swift Powdercoat Colours

Swift series windows & doors are only Available in the following eight colours.

Matt Ironsand	Matt Black
Matt Titania	Appliance White
Arctic White	Metropolis Silver Pearl Kinetic
Matt Grey Friars	Matt Sandstone Grey

Hardware Range

Black Aria hardware pictured below. Contact us if you require information or pricing on alternative hardware.



StärkeSwift Series Configurations

Trim Sizes = Framing Opening Size Box Sizes = Unit Size

*Calculated sitting hard on floor

Awning Windows	620h	Trim Sizes	620w	1220w	1420w	1820w	2020w
		Box Sizes	600w	1200w	1400w	1800w	2000w
			A1	A2 A2R	A3 A3R	A4	A5
			Clear	•	•	•	•
			Grey Tint	•	•	•	•
			Obscure	•	•	•	•
	920h						
			A6	A7 A7R	A8 A8R	A9	A10
			Clear	•	•	•	•
			Grey Tint	•	•	•	•
			Obscure	•	•	•	•
	1220h						
			A11	A12 A12R	A13 A13R	A14	A15
			Clear	•	•	•	•
			Grey Tint	•	•	•	•
			Obscure	•	•	•	•
	1520h						
			A16	A17 A17R	A18 A18R	A19	A20
			Clear	•	•	•	•
			Grey Tint	•	•	•	•
			Obscure	•	•	•	•
	1815h*						
			A21	A22	A23	A24	A25
			Clear	•	•	•	•
			Grey Tint	•	•	•	•
			Obscure	•	•	•	•
	2115h*						
			A27	A28 A28R	A29 A29R	A30	A31
			Clear	•	•	•	•
			Grey Tint	•	•	•	•
			Obscure	•	•	•	•

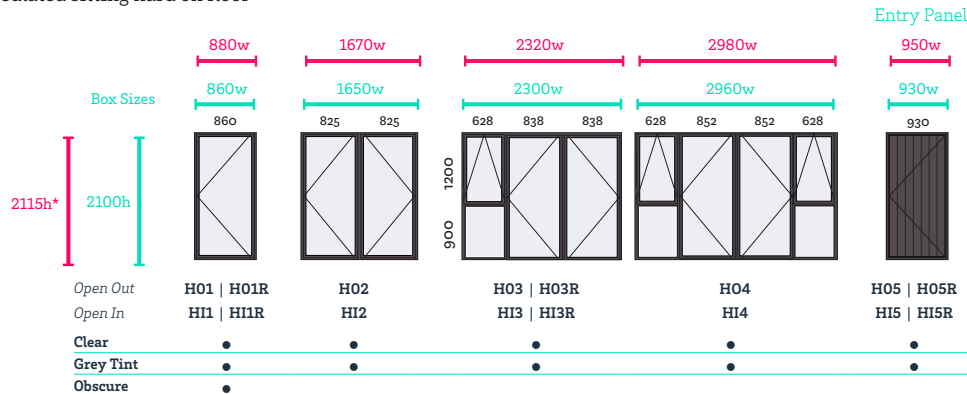
NOTE: Obscure glass is available in both clear & grey tinted. Items that are available in reverse configuration have a second code with 'R' as the suffix

StärkeSwift Series Configurations

Trim Sizes = Framing Opening Size Box Sizes = Unit Size

*Calculated sitting hard on floor

Hinged Doors



Sliding Doors



Stacker Doors



NOTE: Obscure glass is available in both clear & grey tinted. Items that are available in reverse configuration have a second code with 'R' as the suffix



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