



UPVC CATALOG

ABOUT SKYGEN

Welcome to SKYGEN.

Here, we elevate your vision and transform your spaces.

Driven by innovation and craftsmanship, SKYGEN gained its trust as the most reliable windows and doors supplier across Canada and United States. Working side by side with designers, general contractors, builders, architects and construction companies, we deliver impeccable service and solutions for everybody.

Our client is always our top priority. Each project has its own unique story and needs a personalized approach. We strive to be that companion who is always there for you. Let us take care of every detail, from manufacturing your customized design to installing it.

At SKYGEN you will find a variety of doors, windows, pergolas, and sliding systems of exceptional quality. We are proud of trustful and long-term relationships with our clients, as we set high standards and implement only modern techniques in the work process.

Our work speaks louder than words. We've already become a top specialist in planning, projecting, and supplying doors and windows for Canadians. Do you want to know why? Reach out to us or come to our showroom, located at 6210 Northwest Dr Mississauga. Our doors and windows are always open for you!

SKYGEN IN NUMBERS

50+

Products in offers

90

Days to deliver
your order

67

Business partners



Skygen Windows System

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SKYGEN
WINDOWS SYSTEMS

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uPVC

Elevate your living space with our uPVC windows: style, efficiency, unmatched comfort, and durability, all in one.



Products & delivery

We offer a wide range of window and door systems made of uPVC, aluminum, steel and wood. We constantly develop our range of products. In our offer clients may find windows, doors, sliding systems, insect screens, garage doors and fences. Our products are properly secured for sea or land transportation. The process from order to the shipment of goods is made in the shortest time on the market.



Quality confirmed

Manufacture of our products is based on the modern ISO quality management system and it is regulated by certificates confirming their quality and safety. Quality of our facilities and selected products are confirmed by Keystone inspections. In addition, some products have tests in accordance with AAMA, NFRC, STC/OITC, and TAS.



Modern technology

Production takes place in 7 modern manufacturing plants. Our products are manufactured with the highest quality materials from prestigious European suppliers.





What sets us apart is our unwavering commitment to excellence. We utilize the best materials and premium brands ensuring they meet the highest standards of quality.

Our energy-efficient designs optimize thermal insulation, helping you reduce utility costs. Our windows and doors are reinforced to withstand diverse weather conditions, offering enhanced durability.



Elevate your home's aesthetic appeal with sleek, modern designs that make a lasting impression. With efficient production and delivery, we customize your windows and doors within 2-3 months.

Choose from a wide range of versatile options, including till and turn and lift and slide mechanisms, tailored to your unique preferences.



INNOVATIVE LOGISTICS

Our revolutionary logistics and distribution model of windows and doors is the most dependable in Canada & United States. From the manufacturer to your doorstep, we guarantee a seamless and trustworthy process.



1,0	2	5
Uw for Ug = 0.7 (Ultimate spacer bar)	gaskets	chambers (frame)
70	R	A
construction depth (mm)	renovation	aluminium cover



IDEAL 4000

IDEAL 4000

WINDOW AND DOOR SYSTEM

It is a universal system that works well both in modern architecture of single-family and multi-family housing, as well as in the case of renovation. As standard, windows made on the basis of the Ideal 4000 system are equipped with two anti-burglary catches on the sash and pivots to prevent burglary with adjustable pressure. An important element of the fitting is the central clamp. The clamp automatically adjusts to the clearance. It ensures not only safety, but also tightness and light functioning of window sashes. As standard, all fittings for tilt-and-turn windows are supplemented with a lock against handle misplacement. An additional functional element is the micro-ventilation scissor, which creates the possibility of slot ventilation.

Ideal 4000 variants



RENOVATION 65 MM | 40 MM



ALUMINIUM COVER



Glazing with packages up to a width of 42 mm



The standard fitting is equipped with two anti-burglary points per sash



Standard blockade of incorrect handle position (RU window)



IDEAL 4000 CASEMENT

WINDOW AND DOOR SYSTEM

A system dedicated to the production of outward opening windows, popular in particular in Great Britain, Australia and the USA. Recommended both for installation in residential and public utility buildings. Their classic appearance makes them appreciated by customers.

0,88	2	5	70
Uw for Ug = 0.6 (Ultimate spacer bar)	Gaskets	Chambers (frame)	Construction depth (mm)
 Profile adapted to the requirements of the UK market	 An ideal solution for both residential and public buildings	 The possibility of using glazing with a width of 10 to 42 mm	



The system offers great design possibilities. Windows based on the Ideal 4000 Casement system look identical on the outside and inside - both the slats and profiles have a simple shape.

The glazing bead securing system meets the requirements of the Secure by Design and PAS24 programs.

Thanks to a wide number of additional profiles, connectors and extensions, you can create windows of various combinations. Windows made on the basis of the Ideal 4000 Casement system are also characterized by very good thermal properties that allow to obtain Uw values below 0.9W / m²K.



CASEMENT



PRODUCT VARIETY

To match your unique preferences, choose from diverse European windows and doors available in various materials.



SMART SLIDE

SLIDING DOOR SYSTEM

Smart Slide is a sliding door, but the innovative closing mechanism allows for simple and intuitive operation, similar to the solutions used in lift-slide doors.

0,92	2	140
Uw for Ug = 0.6 (Ultimate spacer bar)	amount of tracks scrolling	construction depth (mm)
 System available in the scheme: A, C	 One-sided or two-sided handle to choose from	 Glazing with packages up to 42 mm



It is worth recommending the system to your clients for another reason. Using it, you can easily make larger structures, in which the sash can reach a size of up to 1.5 x 2.3 m.

The installation depth is 140 mm, and the glazing units can have a maximum width of 42 mm. This means that the doors based on the Smart Slide system are not only functional, they can be used to create large structures, but also have high thermal values.

Smart Slide sliding doors can be equipped with air inlets. We also recommend a full range of smooth and wood-like veneers, thanks to which the doors will adapt to any type of interior or facade.



SMART SLIDE



HST 85 variant



ALUMINIUM COVER

Lift and slide door system with high thermal properties. It enables the construction of large-format glazing while maintaining the best thermal insulation parameters. The system is available in three variants: Basic, Standard and Premium. Each of them has a different threshold. When using the Premium version, it can be freely used in low-energy buildings.

To maintain the aesthetics of the finish in the Premium version, we enable the installation of Aluskin aluminium covers. This solution has been reserved exclusively for this sliding door system.

The profiles can have a white, brown, cream or anthracite core. Thanks to this, when using veneers, you can obtain a consistent colour of the profile.



HST 85

LIFT AND SLIDE DOOR SYSTEM

The HST 85 system enables the construction of large-sized, glazed lift and slide doors. The maximum width of the set is as much as 6.7 meters, and the maximum permissible dimensions of the wings are 3x2.5 m.



0,98	2	197	A
Uw for Ug = 0.5 (Ultimate spacer bar)	Amount of tracks scrolling	Construction depth (mm)	Aluminium cover
System available in the scheme: A, C, D	Maximum sash weight - 400 kg	Glazing with packages with a width of 20 to 52 mm	



SWIFT ORDER PRODUCTION

Experience seamless processes with quick delivery. We pride ourselves on short waiting times for all orders – around 3 months! Our dedicated team of door and window installers in Toronto ensures a hassle-free experience.



BLUEVOLUTION 82

BLUEVOLUTION 82

WINDOW AND DOOR SYSTEM

The optimal combination of innovative technology and the best thermal protection parameters, appropriate for energy-saving construction. Windows made in the BluEvolution 82 system are already equipped as standard with a two-chamber package of warm glass with a heat transfer coefficient of $U_g = 0.5W / m^2K$.

A huge advantage is the profiles themselves, which are not only made of high-quality PVC, but above all are an excellent thermal insulator, which is guaranteed by the six-chamber structure of the profile and the triple sealing system. The installation depth of 82 mm allows for glazing with packets up to a width of 53 mm.



Bluevolution 82 variants



ALUMINIUM COVER



RENOVATION 60 MM | 35 MM



Standard hardware with 6 anti-theft points



Standard blockade of incorrect handle position (RU windows)



Glazing with packages up to 53 mm wide

0,77	3	6	82	R	A
Uw for Ug = 0.5 (Ultimate spacer bar)	Gaskets	Chambers (frame)	Construction depth (mm)	Renovation	Aluminium cover

If the window is also supplemented with a warm spacer, we can obtain thermal transmittance parameters corresponding to those of energy-saving windows, additionally reducing the risk of temporary condensation of water vapor.

The profiles are made of the highest quality PVC, thanks to which they are characterized by a unique, shiny, snow-white color.



GLAZING



SINGLE GLASS PANE



Glass form used in partition walls as well as in case of divisions/partitions such as glass doors, balustrades or even balconies. Single glass panes allow the use of different kinds of glass, including safe glass made of laminated glass VSG and tempered glass ESG.

DOUBLE GLAZED IG UNITS



Insulated glass unit is made of two glass panes where only one of them has a Low-E layer. This is a standard for basic window-door systems. In the space between the panes - created by a spacer- there is mostly argon (90%) which additionally lowers the center of glass U-factor.

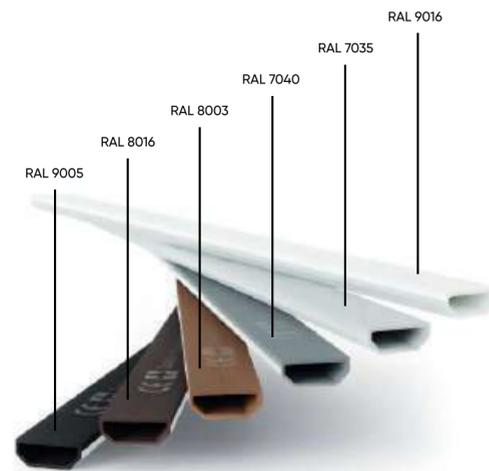
TRIPLE GLAZED IG UNITS



Insulated glass unit is made of three glass panes where two of them mostly have a LowE layer. In the space between the panes there is mostly argon (90%) which all in all is a good choice for systems with increased thermal properties.

SPACERS

Significantly better thermal properties in comparison to the aluminum spacer and color matching in the interpane space to the gasket color or the entire window. These are qualities that the Swisspacer Ultimate spacer provides.



ACOUSTIC GLASS



Laminated glass where between the glass panes there is a special acoustic foil which provides better sound insulation of a room.

SAFE GLASS



Laminated glass and/or tempered glass provide increased safety. Their resistance to puncture or braking is matched to the client's requirements and the information about which glass has been applied is located in the corner.

FIRE PROTECTION GLASS



Fire protection glass is available in the EI 30 fire protection class (6/8 inch thick) or EI60 (1" thick). Fire protection glass is made of tempered panes of glass, between which there is a colorless hydrogel.





SOLAR CONTROL GLASS

Glass that provides a reduction in light and solar energy transmission to a room. Sun protection glass is offered with selective, absorption or even reflexive glass.

SELECTIVE GLASS

From the external side is covered with a special layer which reduces solar energy transmission that reaches the inside of the building, at the same time keeping relatively high levels of light transmission.

ABSORPTIVE GLASS

Dyed in a mass to brown, gray, green or blue color. The glass absorbs solar light by decreasing light transmission and amount of solar energy inside the building.

REFLECTIVE GLASS

Colorless or dyed in a mass to brown, gray, green or blue color. The glass is coated with metal oxide thanks to which the solar light is reflected from the glass pane which creates a mirror effect (to a different extent). It also limits the light transmission at the same time.



DECORATIVE GLASS

Decorative glass is a perfect choice in case of windows, doors as well as partition walls. Depending on the pattern selected it may not only improve the privacy, but also brighten the interior which will make it optically more spacious and that is its' another advantage.

FROSTED GLASS

Achieving the effect of frosted glass is possible with a use of mat foil PVB (in VSG glass), thanks to the technology of acid-etching of one of the surfaces (Satinovo) and by sandblasting process.

COLORED GLASS

Transparent, half-transparent or non-transparent color propositions with different intensity. Apart from the recognized color technology, all layers guarantee traditional benefits which are characteristic to laminated and tempered glass.

ORNAMENTAL GLASS

Provides a wide range of possibilities in terms of design and allows a full personalization of one's space. Depending on the pattern, the clarity of the glass can be lower or higher which guarantees better control of privacy, brightening the space at the same time.



GRIDS

DECORATIVE GRIDS BETWEEN THE GLASS (GBG)



RECTANGLE SPACER BAR BETWEEN THE GLASS



EXTERIOR APPLIED SIMULATED DIVIDED LITE (SDL)



SIMULATED DIVIDED LITE WITH SPACER BAR (SDLS)



The color selection of muntins depends on their kind and chosen window system.

Limiter

Element that limits the sash opening and it is available for every system that we offer. It may be an opening limiter to 90 degrees or even 4°.



Clips

Assembly anchor is in most cases a necessary mounting element for a window. Each system has its own matching model which may be always delivered along with a window.



Connection profiles

An element that connects two separate windows. It allows to make a connection in a straight line as well as in different angles creating bay and bow windows...



Multi-point locks

Hardware which guarantees the comfort and safety of use by hooks that are placed around the entire frame - standard ones as well as anti burglary ones.



V-super weld

When the welding process is complete a low groove is created in place where the profiles' connection was made. The weld guarantees durability of corners on the highest level, in the same time keeping an appropriate look of the final product.



V-perfect weld

Creates almost invisible welding. Connecting profiles in this technology is perfectly refined which provides a proper durability of corners, in the same time keeping best aesthetic values on the joinery market.



Hardware options

Hardware that provides safety and comfort of use. For windows opening inward there is a choice for opening from Tilt, Turn to Dual Action Window (DAW). In case of DAW windows, they always have a micro ventilation function and additionally they may be equipped with Tilt Before Turn function.



Hinge options

Window hinges can be visible inside the room or hidden completely. Each version that we offer allows us to use sashes where the total weight even exceeds 220 lb.



Nailing flange

The system allows to choose a Nailing flange which in the production process is welded along with the frame's profile creating a strong, uninterrupted connection on the entire window's circumference.



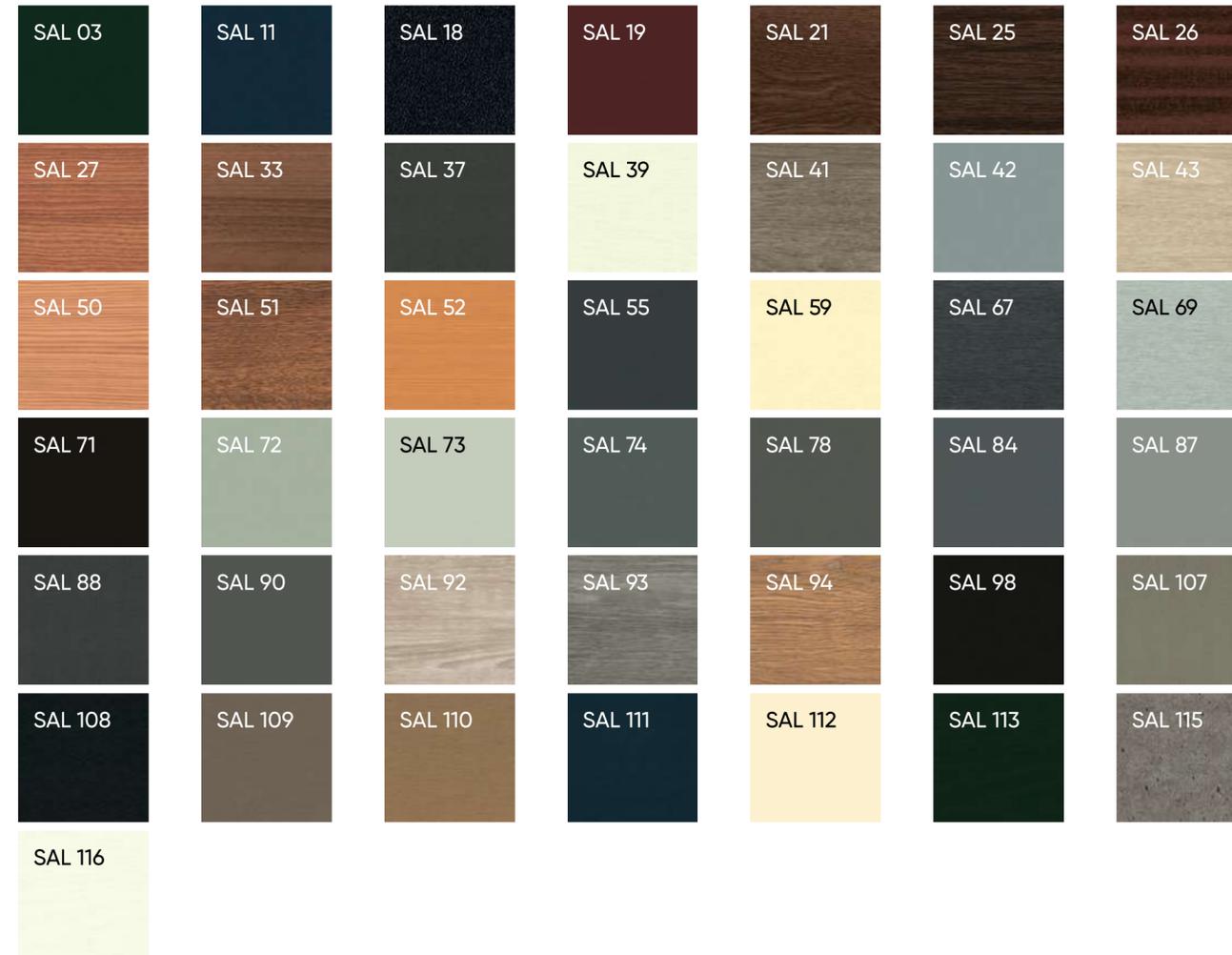


COMPETITIVE PRICING

Enjoy cost-effective solutions
without sacrificing quality.



COLOURING



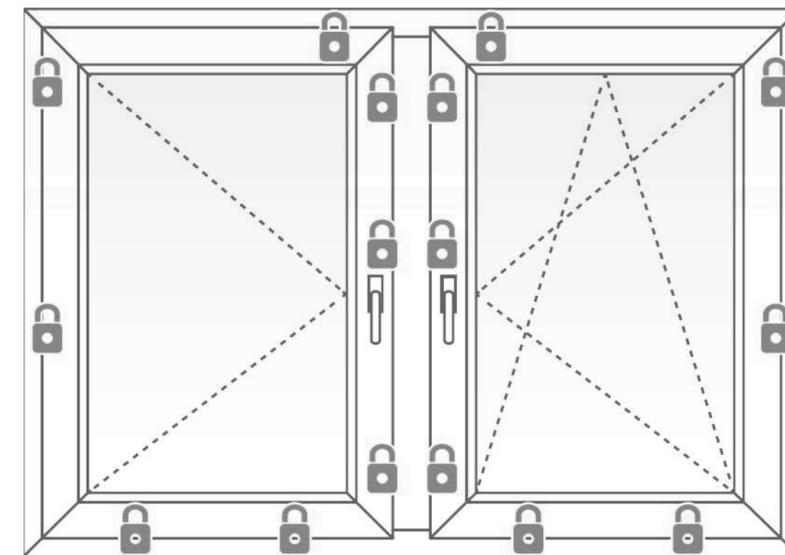
ANTI-THEFT FITTINGS

Clients, who above all value their own and their closest safety, we can assure that by choosing a PVC window in one of the presented systems, the safety comfort will always be on a proper level.

Depending on the chosen system, in standard there are from 2 up to 5 safety points. Special plug and hooks located in specific spots make it very difficult to force the door during a burglary attempt.

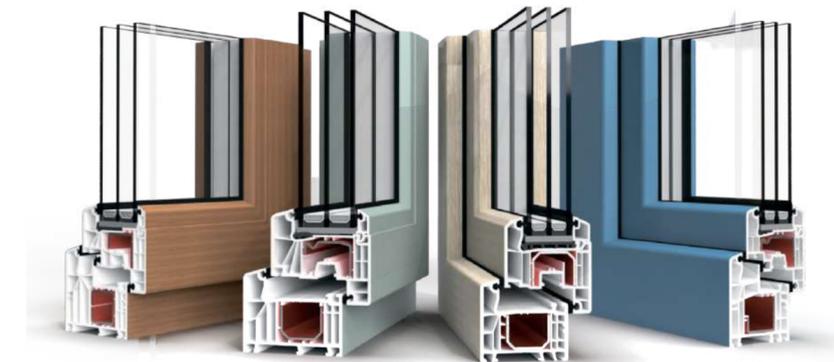
For people who want to keep the safety comfort even on a higher level, we also offer fittings with increased durability which is characterized by an increased amount of safety points.

In order to provide a maximum safety for the entire window, we also recommend choosing handles with blockade function in the closed position and glued, safe glass. Those options partially provide a maximum protection by creating a tight barrier for any burglars.



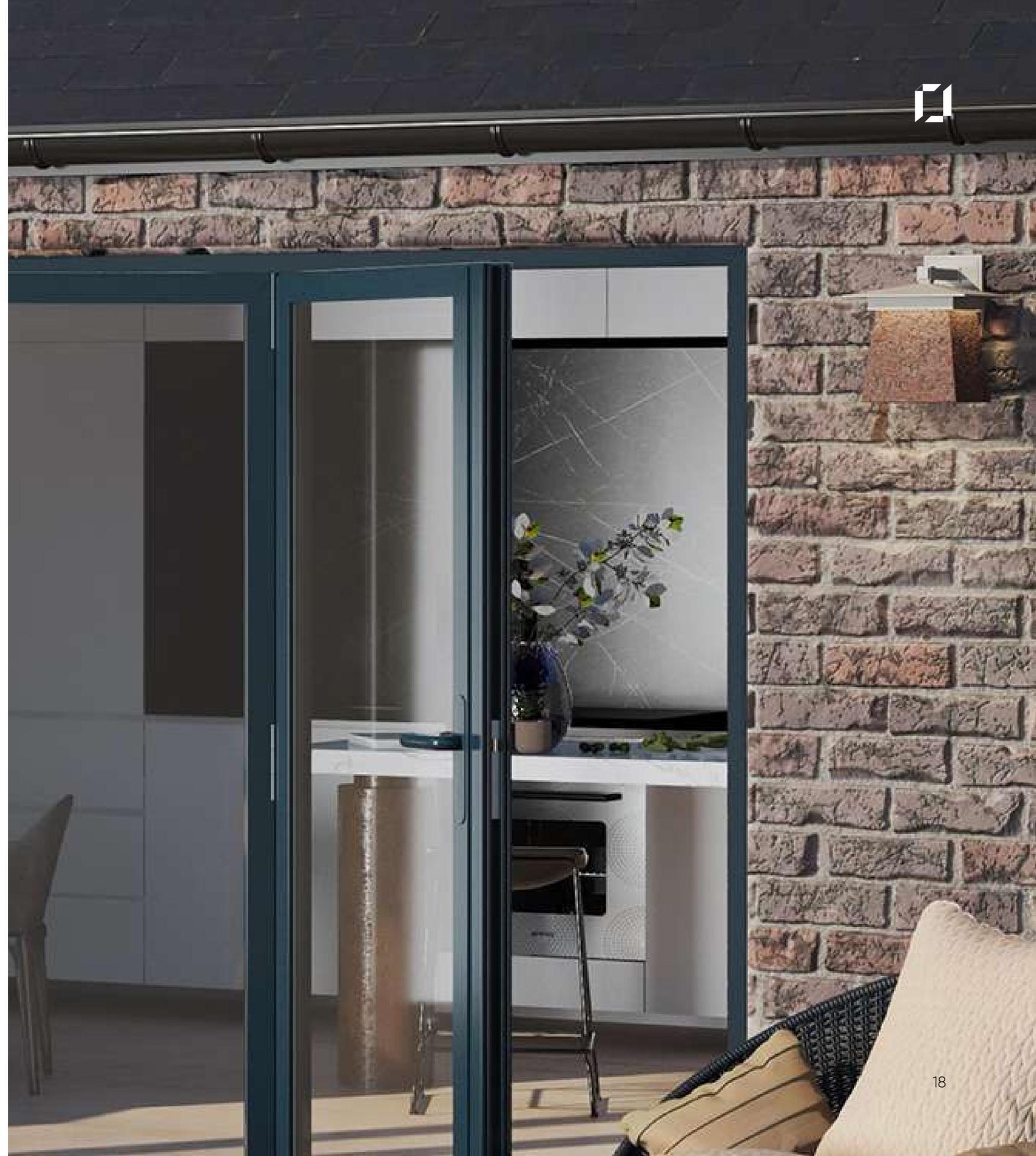


COLOURING





HANDLES		
 ALU	 MOONLINE	 ATLANTA
 KWADRO	 VICTORY	 PLUTON
 NEW YORK	 TOULON	 JOWISZ
 DUBLIN/DUBLIN DE LUXE	 OVERTURE LOCK	 INOX 1200
 TBT 1005A	 LUXEMBOURG	 NEW YORK
 HAMBURG		





OUR PROCESS

QUALIFYING

This initial step lays the foundation for a tailored and precise approach. We need to make sure we fully grasp your project's goals and requirements.

🕒 Timeline: 1-2 business days

ESTIMATING

We provide precise project cost assessments, optimizing expenses to suit your needs. Through detailed estimating, we provide cost-effective solutions without sacrificing quality.

🕒 Timeline: 5-7 business days

PROJECT MANAGEMENT

Our skilled project management team steps up to the plate, guiding your project seamlessly from planning to execution. With a focus on timelines and quality control, we ensure every facet of your project is well-coordinated and executed efficiently.

DRAFTING ILLUSTRATIONS

Our drafted designs encapsulate your entire project visually. These drawings encompass specifications, floor plans featuring preliminary openings, building and product elevations, as well as detailed information on installation and hardware.

🕒 Timeline: 1-2 business days

ORDER PRODUCTION

At SKYGEN you'll get a seamless process with quick delivery. We pride ourselves on short waiting times for all orders – around 3 months.

INSTALLATION SUPPORT

Rely on our skilled installation team to ensure the proper and professional installation of your windows and doors.

SERVICE

Our skilled service professionals possess in-depth familiarity with our product range. At the SKYGEN parts warehouse, a diverse stock of nearly all standard parts is maintained, prioritizing both cost-effectiveness and prompt service, thereby reducing the waiting time for standard components.

🕒 Timeline: 1-2 business days





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