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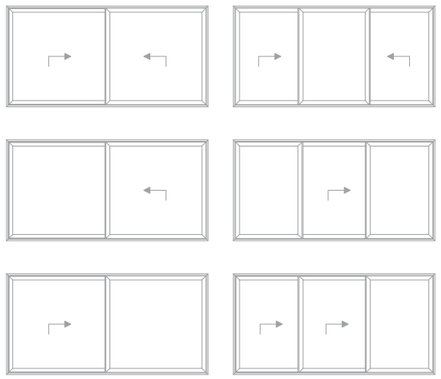
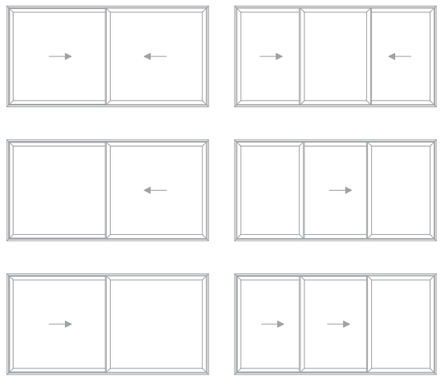
ULTRAGLIDE

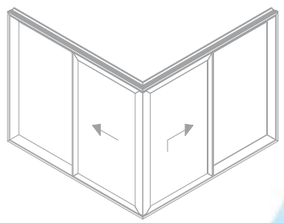
Lift-sliding options
- examples of structures



Sliding options
- examples of structures



Angular solution 90°



ALUMINIUM SYSTEMS & PROFILES FOR THE BUILDING INDUSTRIES

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SLIDING SYSTEM

UG

UG i+, UG angular solution 90°, UG - low - threshold, MONORAIL

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A system featuring improved thermal performance, used to design sliding and lift-sliding structures. The ULTRAGLIDE sliding structures are intended for residential buildings, mainly private and public buildings. This system is an ideal solution for connecting interior space rooms or conservatories with the outside balcony, terrace or garden area.

The system is adapted to the latest requirements relating to thermal performance, aesthetics and safety: available system options: UG low-threshold version, UG – angular solution 90°, Monorail.

With its parameters, the ULTRAGLIDE system makes it possible to design structures with vary large dimensions of sliding leaves.
- maximum structure dimensions available in the system: leaf height Hs=3300 mm i leaf width Bs=3200 mm

The ULTRAGLIDE system makes it possible to design large – but still stable – sliding windows and doors. Maximum leaf weight:
- 250 kg sliding option
- 400 kg lift-sliding option

Features of constructions:
- structure design: 3, 5 and 7 chamber frame
- possible variants with two, three and four components based on the two-rail system
- profiles suitable for installation of various hand-locked hardware available on the market and automatic devices
- various types of infills can be used (double and triple glazed units)
- adapted to the latest requirements relating to thermal performance. The system is equipped with a 22 mm / 28 mm wide separator enhanced with glass fibre, thermal inserts and under-glass inserts to improve cross-sectional thermal performance; available options: UG, UG i, UG i+
- used for designing large glazing, which provides natural lighting inside the building and facilitates interior design, with ensured stability, functionality and structure lightness

A wide range of colours – RAL palette, structural colours, Aliplast Wood Colour Effect, anodized, structural, bi-colour.

UG

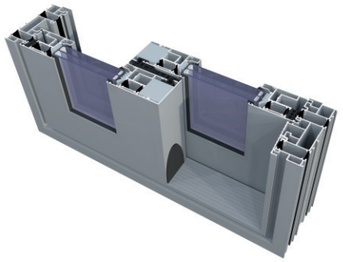
ULTRAGLIDE: UG, UG i+, UG - angular solution 90° ,
UG - low-threshold option, MONORAIL

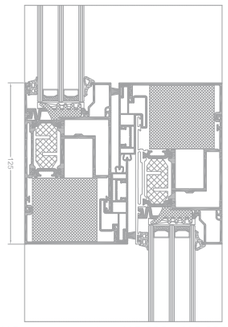
UG, UG i+

The ULTRAGLIDE system gives you great possibilities in applications of lift & slide doors, and is the optimized solutions in terms of construction and dimensions of its profiles and frames.

A system featuring improved thermal performance, used to design sliding and lift-sliding structures. The system is adapted to the latest requirements relating to thermal performance, aesthetics and safety.

- available system options: UG, UG i, UG i+
- maximum leaf weight: 400 kg
- possible variants with two, three and four components based on the two-rail system



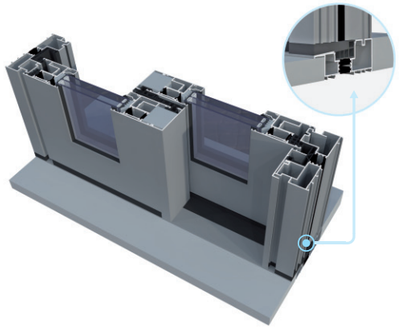


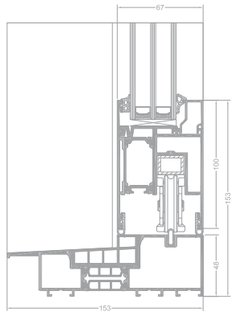
UG i+ cross section (UG 820 + UG 830)

ULTRAGLIDE - low-threshold option

The low-threshold model is a solution to improve building accessibility for disabled people. The low-threshold option prevents edge offset at the door-floor contact and enables threshold-floor flushing. A modern structure and lift-sliding hardware in low-threshold UG system provides convenient use, enhanced usefulness and an elegant design.

- maximum leaf weight: 400 kg
- possible structure variants: 2-, 4-component based on a two-rail frame
- possible variants with two, three and four components based on the two-rail system



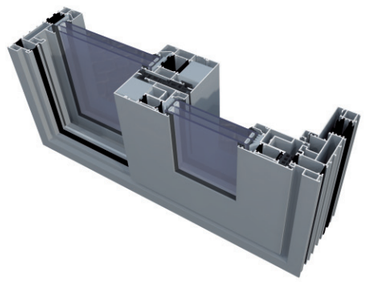


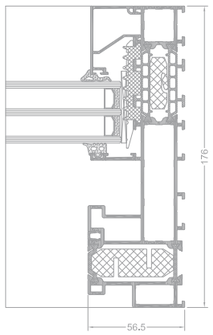
UG - low threshold option - cross section

MONORAIL

Monorail – option of the Ultraglide system. At least one fixed component (glazing) in the structure is the characteristic feature of the system. A special structure of the frame makes it possible to increase the clear opening relative to the fixed component. The system features improved thermal performance.

- maximum leaf weight: 400 kg
- single-rail frame
- possible structure variants: 2-, 3- and 4-component
- optional to use glazing from the outside, which makes it possible to use large-size heavy infills



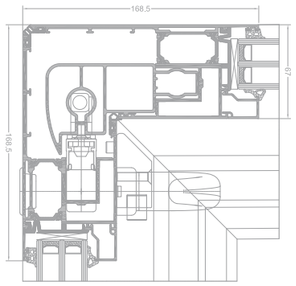


MONORAIL cross section

ULTRAGLIDE - angular solution 90°

A solution dedicated to large corner glazing. The system is perfect for commercial and private buildings where open space is required. The door is opened by moving the stud that joins the leaves. As a result, the entire room corner is open, and the space is not divided by the structural stud.

- maximum leaf weight: 400 kg
- two- and three-rail frame
- possible structure variants: 4-, 6- and 12-component



UG - angular solution cross section

ULTRAGLIDE

UG, UG i+, UG - angular solution 90°, UG - low-threshold, MONORAIL

SPECYFIKACJA PRODUKTU

SYSTEM	MATERIAŁ	FRAME DEPTH	LEAF DEPTH	GLAZING RANGE	WEIGHT OF THE LEAF	TYPE OF DOORS
Ultraglide	aluminium / polyamide	from 153 mm to 239 mm	67 mm	leaf 14-49 mm	up to 400 kg	sliding lift-sliding
Ultraglide i+	aluminium / polyamide	from 153 mm to 239 mm	67 mm	leaf 14-49 mm	up to 400 kg	sliding lift-sliding
Ultraglide - ungular solution 90°	aluminium / polyamide	from 153 mm to 239 mm	67 mm	leaf 14-49 mm	up to 400 kg	sliding lift-sliding
Ultraglide - threshold option	aluminium / polyamide	from 153 mm to 239 mm	67 mm	leaf 14-49 mm	up to 400 kg	lift-sliding
Monorail	aluminium / polyamide	176 mm	67 mm	leaf 14-49 mm fix 12-72 mm	up to 400 kg	sliding lift-sliding

PERFORMANCE

SYSTEM	THERMAL INSULATION Uf *	AIR PERMEABILITY	WINDLOAD RESISTANCE	WATERTIGHTNESS
UG	Uf from 1,45 W/m^{2}K	Class 4; EN 12207	Class C3 (1200 Pa); EN 12210	7A (300 Pa); EN 12208
UG i+	Uf from 1,13 W/m^{2}K	Class 4; EN 12207	Class C3 (1200 Pa); EN 12210	7A (300 Pa); EN 12208
UG - ungular solution 90°	Uf from 1,45 W/m^{2}K	Class 4; EN 12207	Class C3 (1200 Pa); EN 12210	7A (300 Pa); EN 12208
UG - threshold option	Uf from 1,45 W/m^{2}K	Class 4; EN 12207	Class C3 (1200 Pa); EN 12210	7A (300 Pa); EN 12208
MONORAIL	Uf from 0,93 W/m^{2}K	Class 4; EN 12207	Class C3 (1200 Pa); EN 12210	7A (300 Pa); EN 12208

** Thermal insulation is dependent on a combination of profiles and thickness of the filling.*

- The Uf-value measures the heat flow. The lower the Uf-value, the betterer the thermal insulation of the frame.
- The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- The wind load resistance is a measure of the profile's structural strenght and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A, B, C). The higher the number, the better the performance.
- The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.