

UG

ULTRAGLIDE



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.

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A system featuring improved thermal performance, used to design sliding and lift-sliding structures.

The UG sliding structures are intended for residential buildings, mainly private and public buildings.

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 $H_s=3300$ mm
- leaf width $B_s=3200$ 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.

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.

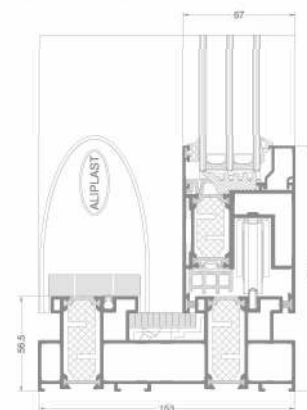
Various types of infills can be used (double and triple glazed units).

System is adapted to the latest requirements relating to thermal performance. The system is equipped with a 22 mm / 28 mm wide separator improved with glass fibre, thermal inserts and under-glass inserts to improve cross-sectional thermal performance.

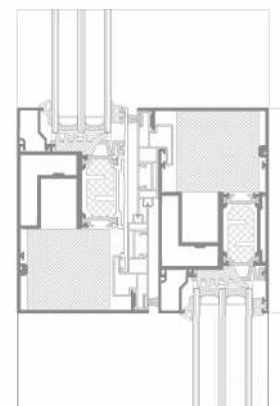
- available options: UG, UG i, UG i+.

There is possibility of use Flyscreen system (Flyscreen – fly screens are a practical and an extremely functional protection against insects).

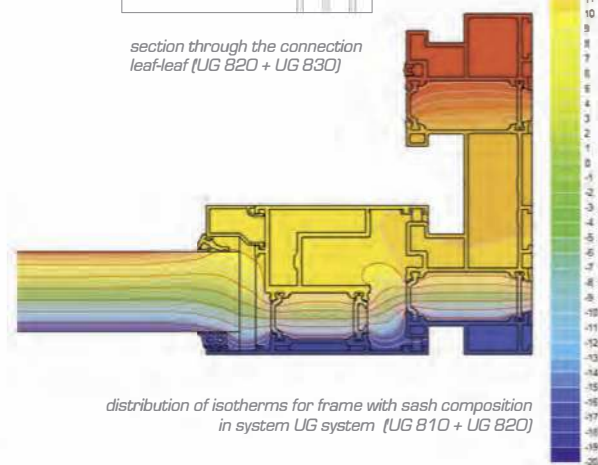
A wide range of colours available - RAL palette, structural colours, Aliplast Wood Colour Effect, bi-colour.



(UG B20 + UG B10) UG cross section



section through the connection leaf-leaf (UG B20 + UG B30)



distribution of isotherms for frame with sash composition in system UG system (UG B10 + UG B20)

TECHNICAL SPECIFICATION

| SYSTEM | MATERIAL | DEPTH OF FRAME | DEPTH OF LEAF | GLAZING RANGE | WEIGHT OF LEAF | TYPE OF DOORS |
|--------------|--------------------------------|-------------------------|---------------|---------------|--|------------------------------|
| UG | aluminium / thermal insulation | from 153 mm / to 239 mm | 67 mm | leaf 14-52 mm | to 250 kg (sliding option) / to 400 kg (lift-sliding option) | sliding, lift-sliding system |
| UG i+ | aluminium / thermal insulation | from 153 mm / to 239 mm | 67 mm | leaf 14-52 mm | to 250 kg (sliding option) / to 400 kg (lift-sliding option) | sliding, lift-sliding system |

PERFORMANCE

| SYSTEM | THERMAL INSULATION U_f * | AIR PERMEABILITY | WINDLOAD RESISTANCE | WATERTIGHTNESS |
|--------------|----------------------------|-------------------|-----------------------|----------------------|
| UG | U_f from 1,45 W/m^2K | Class 4; EN 12207 | C4 (1600Pa); EN 12210 | 9A (600Pa); EN 12208 |
| UG i+ | U_f from 1,13 W/m^2K | Class 4; EN 12207 | C4 (1600Pa); EN 12210 | 9A (600Pa); EN 12208 |

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