



**OUR NEW
PROFILE**

aMOTION

Dear Customers,
 we present the offer of a new aMOTION profile, which was prepared jointly with Gealan, the leading manufacturer of window and door profiles in Europe. The solutions we have chosen supplements our existing offer of PVC windows and sliding doors. The selection of solutions has been prepared based on a thorough analysis of customer needs. We hope that they will meet your expectations.

The aMOTION series includes the following lines:

aMORE – window system with 82,5 mm depth; thanks to a central gasket and six-chamber frame construction, excellent thermal insulation is ensured.

aMORE LUX – window system with a depth of 82,5 mm with a third gasket and lowered sash, which allows 25% more light into the interior.

aCUBE – a modern window system with an installation depth of 74 mm with an additional seal, which is distinguished by simple contours. It is a perfect proposal for architects and developers.

aMOOD – a sliding system which can be used to construct terrace doors as well as sliding windows, which is new in our offer. It is an optimal use of space with very good tightness parameters.

aSLIDE – sliding door system with an installation depth of 190 mm.

All profiles are available in a wide range of colors, however, a completely new one in our offer deserves a special mention. It is the only **acrylic glass** coating of its kind, which we obtain thanks to a unique method of coloring profile surfaces in the process of coextrusion. Acrylcolor is extremely durable and resistant to peeling and chipping. It has a satin, smooth coating, which is 0.5 mm thicker than the standard veneer.

We encourage you to familiarize yourself with our new offer.



The innovative aMORE system is designed for constructing windows, front doors and lift & slide doors. Thanks to the middle gasket and a six-chamber frame structure, excellent thermal insulation is ensured. The installation depth is 82,5 mm.

Advantages of the aMORE syst:

- Possibility to use triple-glazed packages with a depth of up to 54 mm
- Coherent system of seals distribution in three levels
- Excellent thermal and acoustic insulation
- Optimally designed for the use of STV® technology (dry gluing of glass to the overlap of the sash)
- The maximum height of the sashes is 2.5 meters
- Wide range of available veneers
- Possibility of using exceptionally durable and elegant acrylcolor coating



installation depth 82,5 mm



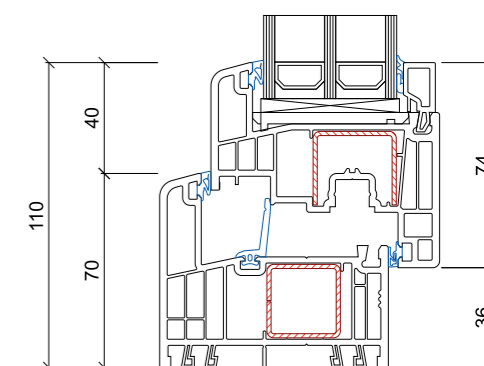
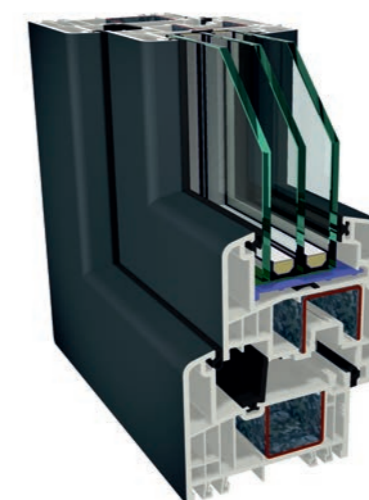
glazing package Ug=0,5



Number of chambers 6



penetration coefficient Uw=0,76



Uw=0,76*

U-Factor = 0.13 BTU/hr-ft² - °F**

*Parameter calculated for a reference window 1230x1480 mm, with a triple-glazed package. Ug=0,5, Chromatec Ultra warm frame and 1.5 mm closed steel.
 **Uw-Value is based on the ISO/Passive House thermal performance rating program.

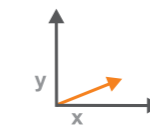


Even more light in your living space? This is possible with aMORE LUX. With the aMORE LUX series you can get even more light into your interior with a conventional frame and a lowered sash, which allows up to 25 % more light into the room. The folding height is only 103 mm!

Thanks to the lowered aMORE LUX profiles, you can achieve a slim window effect without sacrificing safety or comfortable handling.

The advantages:

- More light in the living area
- Slim, delicate window effect
- Protection of natural resources - profile core made of recycled material



installation depth
82,5 mm



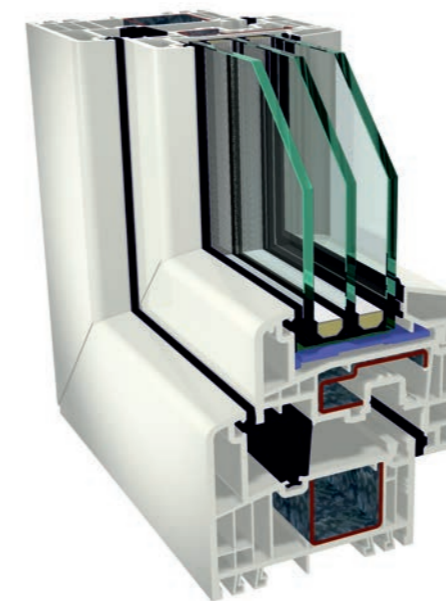
glazing package
Ug=0,5



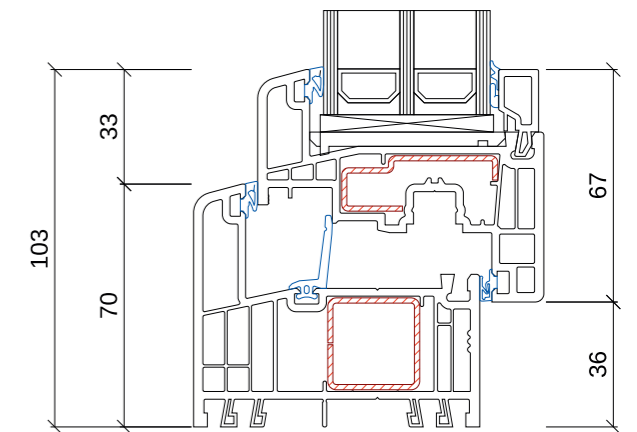
Number of chambers 6



penetration coefficient
Uw=0,79



tylko
103 mm



Uw=0,79*

U-Factor = 0.14 BTU/hr-ft²-°F**

*Parameter calculated for a reference window 1230x1480 mm, with a triple-glazed package, Ug=0,5, Chromatec Ultra warm frame and 1.5 mm closed steel.
**Uw-Value is based on the ISO/Passive House thermal performance rating program.

aCUBE system is characterized by visual perfection, modernity and simple contours referring to cube. It fits perfectly into the current trends in architecture and window joinery.

It provides exactly the effect expected by investors: simple, minimalistic windows, sometimes deceptively similar to the aluminum joinery.

The system is designed for constructing windows, balcony doors and entrance doors. aCUBE system is distinguished by very good stability, excellent tightness, high thermal and acoustic insulation.

All thanks to the multi-chamber profile design and a reliable middle gasket system.

The construction of the third seal is an effective blockade for heat flow.

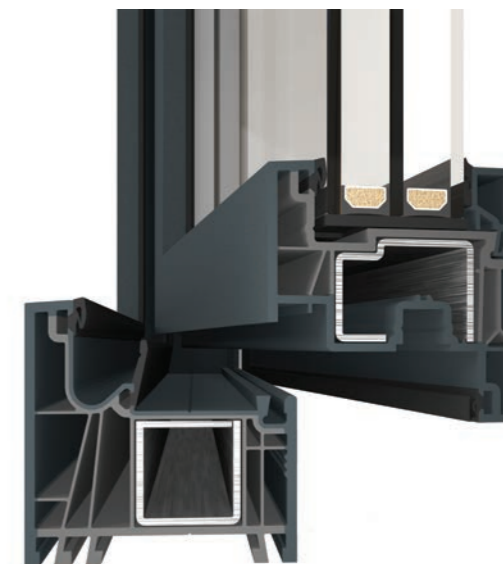
Many people are looking for minimalist design, and thanks to the shallow depth of the installation, windows in the aCUBE system can be installed both in new buildings and historic buildings.

aCUBE system is a perfect proposal for architects and developers, because it maintains its high thermal parameters at a moderate price.



Advantages:

- System suitable for windows, front doors and balcony doors
- Straight contours on the outside and inside of the window
- High stability due to optimal steel reinforcement
- High sound insulation properties
- Maximum glazing thickness of 48 mm or 50 mm with STV®
- Extensive range of veneers, including smooth and matt
- Possibility of finishing with exclusive, wood-effect ReaiWood® foils
- Protection of natural resources - profile core made of recycled material



installation depth
74 mm



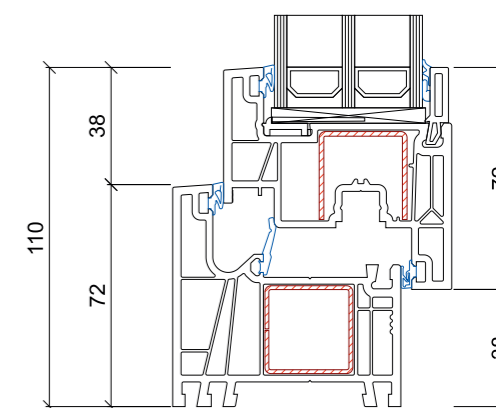
glazing package
Ug=0,5



Number of chambers 6



penetration coefficient
Uw=0,80



Uw=0,80*

U-Factor = 0.14 BTU/hr-ft²-°F**

*Parameter calculated for a reference window 1230x1480 mm, with a triple-glazed package, Ug=0.5, Chromatec Ultra warm frame and 1.5 mm closed steel.

**Uw-Value is based on the ISO/Passive House thermal performance rating program.



Expressive shapes of the sashes with 4° inclination create a unique, modern design and low assembly height - 110 mm allows for constructing impressive, large glazing, so that much more natural light penetrates the interior.



A wide range of 90° slats at the glazing bars is a consistent continuation of the external appearance of the window based on simple, minimalist contours.

Based on the aMOOD system, both doors and sliding windows can be constructed, which is a novelty in our offer. Sliding windows are tight, aesthetic and extremely functional.

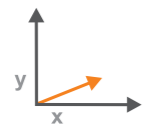
They are perfect above the table or kitchen worktop, as they allow trouble-free use of the space directly under the window, also during ventilation. Furthermore, they are very easy to operate.

How does it work?

When opening, the moving sash moves 8 mm away from the frame, and when closing, it returns to its original position. This operation is possible due to the unique design of the fitting that moves horizontally on special bogies, which makes the operation much easier, especially when the construction is equipped with heavy 3-pane glazing units. The system frame, with an installation depth of 150 mm, is fitted around the perimeter of the structure, so that the corners are closed. To additionally tighten the window, 3 active catches are installed that press the sash against the vertical mullion. Closing process is also conveniently done by a manual handle.

Advantages:

- Elimination of leaks due to innovative closing mechanism
- Two versions available - classic (symmetrical) and design (asymmetrical, with lowered fixed wing)
- Aesthetic design
- Wide range of wood-like veneers
- Intended for single-family houses as well as hotels and apartment buildings
- Possibility to install the threshold from the outside (39 mm) and inside (49 mm), so you can level the lower frame and get the effect of a smooth transition between the room and terrace. This makes it possible to level out the lower frame and obtain the effect of a smooth transition between the room and the terrace
- Protection of natural resources - profile core made of recycled material



installation depth
150 mm



glazing package
 $U_g=0,5$



Number of chambers 6

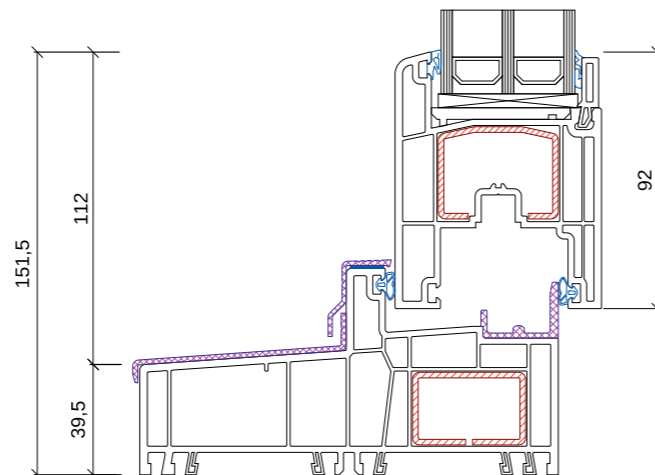


penetration coefficient
 $U_w=0,73$

$U_w=0,73^*$

U-Factor = 0.13 BTU/hr-ft²-°F**

*Parameter calculated for a reference window 3500x2300 mm, with a triple-glazed package, $U_g=0,5$, Chromatec Ultra warm frame and 1.5 mm closed steel.
**Uw-Value is based on the ISO/Passive House thermal performance rating program.

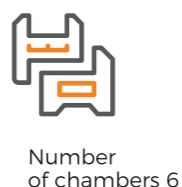
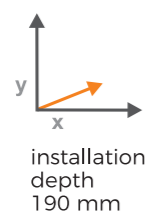


The superior design of the aSLIDE sliding door allows for the construction of doors with spectacular dimensions. This is complemented by an almost invisible threshold, which eliminates the division between the interior and exterior space. To increase the visual appeal and durability of the external surface it is possible to produce HS doors in the innovative acrylcolor technology.

More light than ever. The design version is addressed to those who appreciate natural lighting of the interior. In this solution, the fixed part of the regular sash is replaced by a glazed profile, reducing the width of the surface in comparison with the regular sash by over 50%.

Advantages:

- Excellent thermal insulation
- aSLIDE construction is adapted for installation of modern triple glazing packages with a thickness of 52 mm (54 mm with STV®)
- Modern design - narrow sash and innovative design of the fixed part create an aesthetic whole and allow for effective lighting of the interior
- Precise details - well thought-out construction with perfect thermal insulation, easy processing, and innovative technical solutions
- There is an option of finishing in the proven acryl color technology, which gives a beautiful appearance and guarantees durability of use
- Diversity - 2 construction versions (classic and design), various opening schemes, wide range of colors create great opportunities to create your dream door
- Protection of natural resources - profile core made of recycled material.



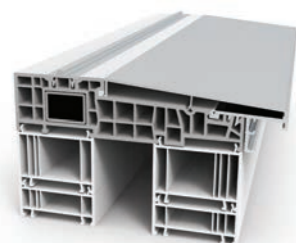
Uw=0,78*

U-Factor = 0.14 BTU/hr-ft²-°F**

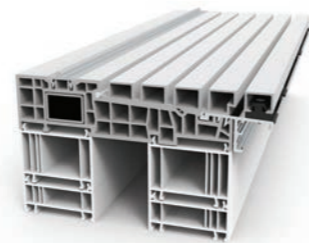
*Parameter calculated for a reference window 3500x2300 mm, with a triple-glazed package, Ug=0.5, Chromatec Ultra warm frame and 1.5 mm closed steel.
**Uw-Value is based on the ISO/Passive House thermal performance rating program.

aSLIDE patio doors can be constructed with two types of threshold*:

*choose the width depending on installation requirements

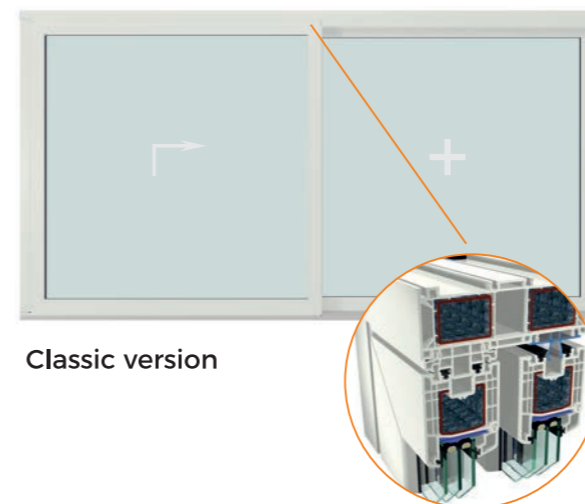


The COMFORT threshold with a height of 50 mm guarantees comfortable handling and correct functioning of terrace doors for many years. It provides effective thermal insulation and complies with DIN 18040 for barrier-free construction. The outside is protected by an aluminum profile. A foil is directly connected to the threshold to prevent excessive moisture.

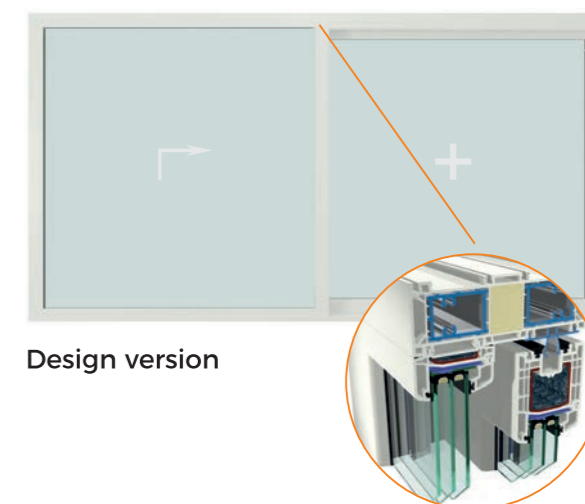


0 mm threshold - thanks to its unique design, no barrier is created between the dwelling and the terrace. As a result, the floor inside the house and the floor outside are at the same level, which is a huge convenience for people with disabilities, and the danger of tripping over protruding elements of the threshold is eliminated. The threshold is flush with the floor and is almost completely flat, with only the guide for the running sash being visible at a height of approx. 5 mm.

Possibility to choose a classic version or a design version with a lowered sash.



Classic version



Design version

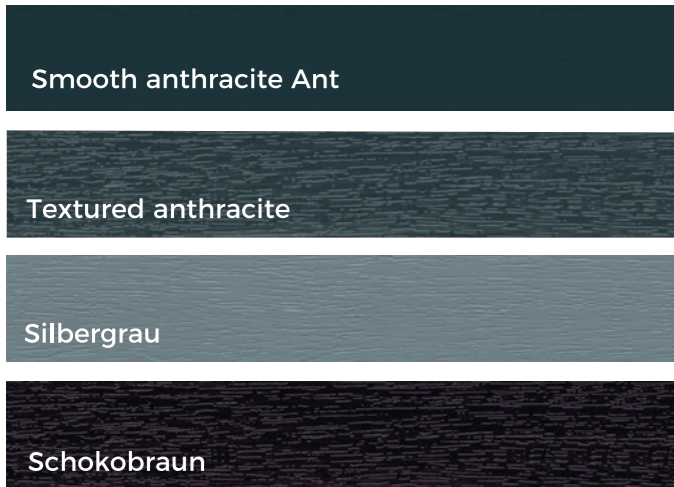


AVAILABLE COLORS

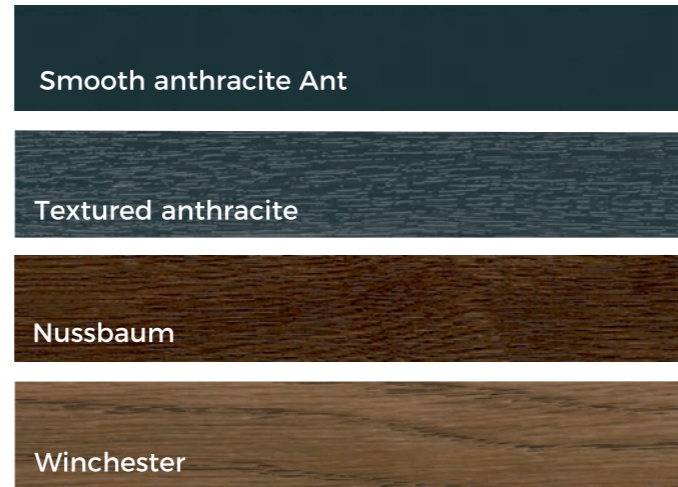
BEST VENEERS

The BEST color scheme guarantees a quick realization date and a preferential price. The following colors are available:

Single sided veneers



Double-sided veneers Smooth

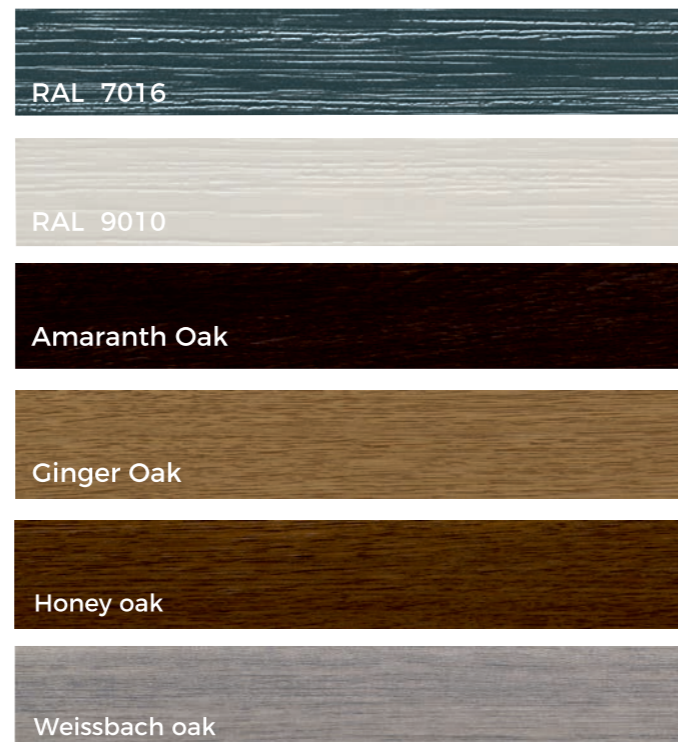


RICH COLOR PALETTE



Customers can also choose the color from a wide range of veneers, in which they are sure to find the perfect match to their project.

Option DuoColor



NEW

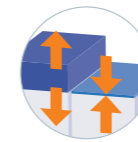
New in our offer are wood-like veneers **REALWOOD** which perfectly imitate the real wood grain. They have a lower gloss than standard veneers, thanks to which they give the windows a natural wood look. Recommended for people who value classic and comfortable use.



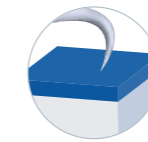
NEW

ACRYLIC COATING - ACRYLCOLOR

is a unique coating made of acrylic glass, which is obtained through a unique method of colouring profile surfaces in the process of coextrusion. Acrylcolor is extremely durable and resistant to scratches, impacts and mechanical damage. Its smooth and non-porous surface is an additional advantage for care. Thanks to its optical properties, the acrylic coating reflects sunlight, so that the profile does not heat up. Even after many years the color differences of weathered windows are practically unnoticeable. Due to the coextrusion process, the acrylic coating can only be applied to the exterior side. The color is available in **aMORE**, **aMORE LUX** and **aSLIDE** systems.



Thicker coating



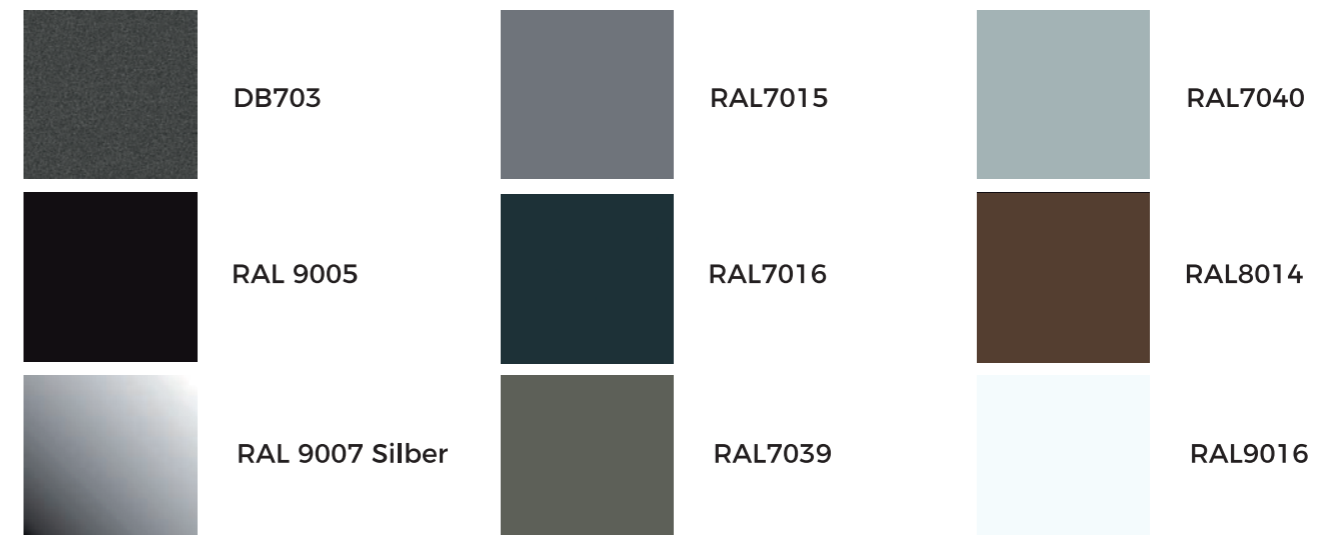
Scratch resistant



Will not peel off



Reflects radiation



STV TECHNOLOGY

STV®, which means static dry glazing, consists of bonding the insulating glass unit to the sash profile with double-sided adhesive tape with the use of base shims enabling glass positioning.

The tape is a maximum of 2 cm wide and is stuck to the window sash in the place where the gasket is usually located. STV® adheres immediately to the glass and complete adhesion is achieved immediately after the window glazing process.

The use of STV® improves the performance of windows. As a result of bonding the glass pane with the sash profile, the statics of the glass sheet is transferred to the sash and thus the entire system becomes more stable. The simultaneous use of STV and steel in the sash makes it possible to build windows up to 2.5* metres high for coloured profiles.

*The maximum area of a 2.5 m high construction is 2.8 m²

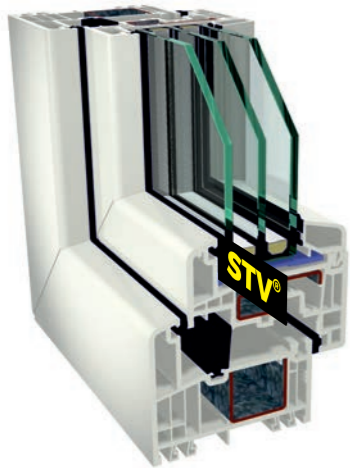
Pros:

Improved statics

The simultaneous use of STV® and steel reinforcement in the sash makes it possible to build large windows.

Savings

You save time with STV®. The processing of STV® is quick and easy and the installation of lighter windows is much more convenient.



DOOR HANDLES



Window handle

Window handle with push button

Window handle with key

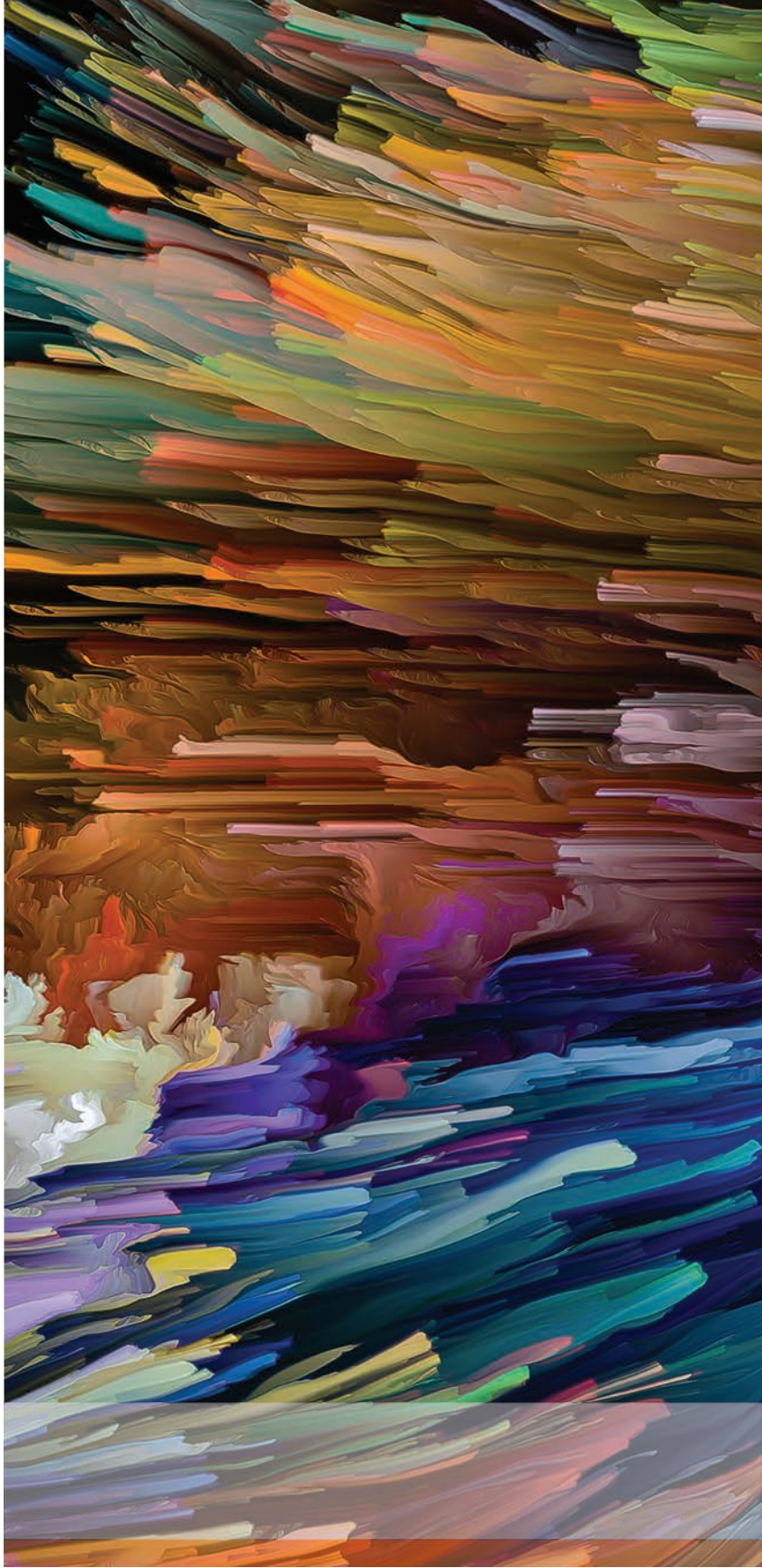
Window handle for aMOOD

Window handle for aMOOD with key

Handle for aSLIDE

Handle for aSLIDE with PZ

Handles are available in the following colors:
 silver, RAL 9016 matt, RAL 8019 matt, Gold, RAL 7016 matt,
 RAL 9005 matt, F1, F4, F9, F9005, inox



www.awilux.com