

ENDURA

WINDOWS & DOORS

“Durable windows and doors for every home”



VEKA is a german manufacturer of high quality PVC profiles, present in the european, north-american and asian markets. Their recipe for success lies in the fact that VEKA is always close to their end customers, ensuring optimal adaptation to demand and local culture.

veka.com



PROFINE produces PVC profiles marketed under the KÖMMERLING brand. In 1954, the german company produced the very first PVC systems aimed at series production, patenting their coloured-profile extrusion technology in 1967 and the five-chambered profiles' one in 2000.

profine-group.com



GUARDIAN GLASS is one of the largest and most innovative glass manufacturers in the world. Founded in 1932 in Detroit, Michigan, the company operates on five continents, serving more than 160 countries. guardianglass.com



SAINT-GOBAIN GLASS is the european leader in the production of construction glass. The factory in Călărași, Romania, has the most modern float glass production line in Europe. The thermal, acoustic and security performances of SAINT-GOBAIN glazings recommends them for the most creative and original architectural solutions. saint-gobain-glass.com

deceuninck

Founded in 1937 in Belgium, DECEUNINCK is among the top 3 companies in the world when it comes to the production of windows & doors PVC profiles. Having 22 warehouses and distribution centers and 14 different extrusion plants, DECEUNINCK provides all its customers with great quality and varied products.

deceuninck.com



Although CORTIZO has established itself as a leader in the aluminum profile market, the spanish company also stands out as a producer of high-quality PVC profiles. Due to their exceptional chemical composition, CORTIZO PVC profiles meet the most demanding standards in terms of quality and performance. cortizo.com



WINKHAUS develops, manufactures and sells hardware for windows and doors, together with automatic closing, access and security systems. The german WINKHAUS group was founded in 1854, remaining a family business with over 2.000 partners worldwide.

winkhaus.com



MACO is an austrian windows & doors hardware manufacturer that ensured its success through the quality of its products, being the first company in its field to be certified according to ISO 9001 standards. maco.at

VEKA 76 AD

PRODUCT GEOMETRY

76 mm

2 sealing gaskets
6 frame insulation chambers
5 sash insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,81 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

47 dB

PROFILE CLASS

A



With a base thickness of 76 mm, the Veka 76 system offers the perfect balance between energy saving and cost optimization. The solid Class A profiles allow the use of triple-glazed insulating glass units for superior insulation as well as protection against noise and intrusions. The slim and efficient design of Veka 76 makes it an appropriate choice even for projects requiring large joineries and openings.



*THE PHOTOS ARE FOR INFORMATIONAL PURPOSES ONLY.



VEKA 76 MD



PRODUCT GEOMETRY

76 mm

3 sealing gaskets
6 frame insulation chambers
5 sash insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,74 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

47 dB



With a base thickness of 76 mm, the Veka 76 system offers the perfect balance between energy saving and cost optimization. The solid Class A profiles allow the use of triple-glazed insulating glass units for superior insulation as well as protection against noise and intrusions. The slim and efficient design of Veka 76 makes it an appropriate choice even for projects requiring large joineries and openings.

PROFILE CLASS

A

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VEKA 76 MD WITH RENOVATION FRAME

PRODUCT GEOMETRY

76 mm

frame with a 35 / 48 / 65 mm wing
3 sealing gaskets
6 frame insulation chambers
5 sash insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,74 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

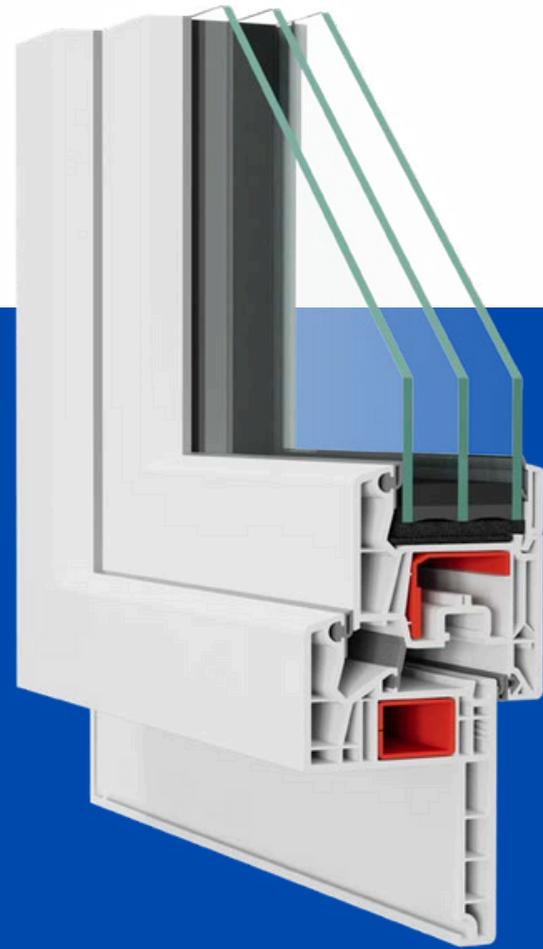
47 dB

PROFILE CLASS

A



With a base thickness of 76 mm, the Veka 76 system offers the perfect balance between energy saving and cost optimization. The solid Class A profiles allow the use of triple-glazed insulating glass units for superior insulation as well as protection against noise and intrusions. The slim and efficient design of Veka 76 makes it an appropriate choice even for projects requiring large joineries and openings.



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VEKA 76 DOOR

PRODUCT GEOMETRY

76 mm

1 sealing gasket
5 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,82 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

47 dB

PROFILE CLASS

A



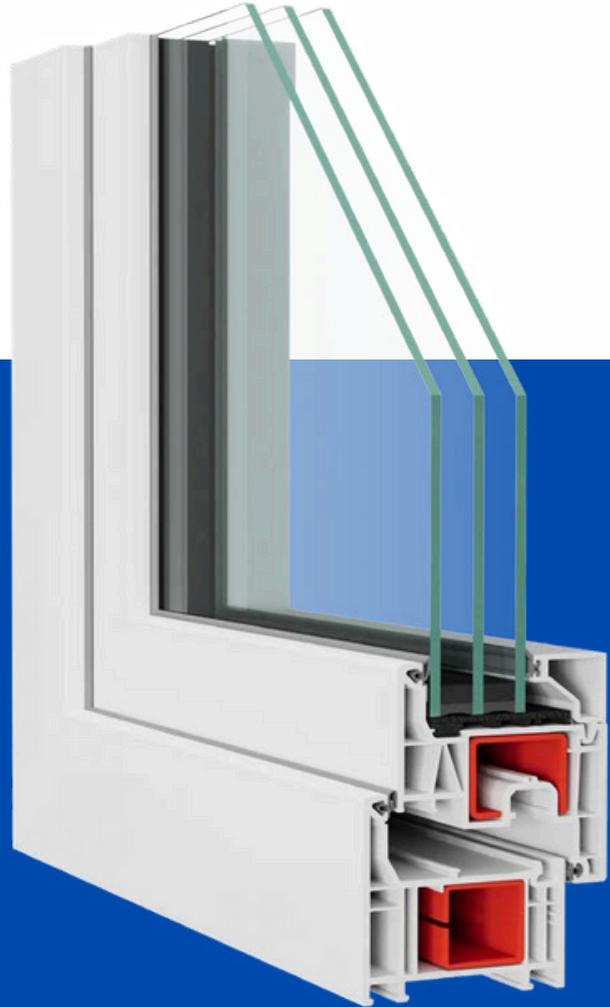
With a base thickness of 76 mm, the Veka 76 system offers the perfect balance between energy saving and cost optimization. The solid Class A profiles allow the use of triple-glazed insulating glass units for superior insulation as well as protection against noise and intrusions. The slim and efficient design of Veka 76 makes it an appropriate choice even for projects requiring large joineries and openings.



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DECEUNINCK 76 AD



PRODUCT GEOMETRY

76 mm

Sash depth: **80 mm**
2 sealing gaskets
5 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

Uw ≥ 0,75 W/m2K

ACOUSTIC INSULATION

45 dB

RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



deceuninck

Deceuninck windows provide a modern and elegant aesthetic to your home. They stand out with their thermal insulation performance, tested to passive house standards, as well as through their resistance to severe weather conditions. The Deceuninck 76AD variant has a frame depth of 76 mm and a sash measuring 80 mm, which, together with the system's minimalist design makes it suitable for any type of home. The median gasket variant adds another insulation chamber to the same construction dimensions.

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DECEUNICK 76 MD



PRODUCT GEOMETRY

76 mm

Sash depth: **80 mm**
3 sealing gaskets
6 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,72 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

45 dB

RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



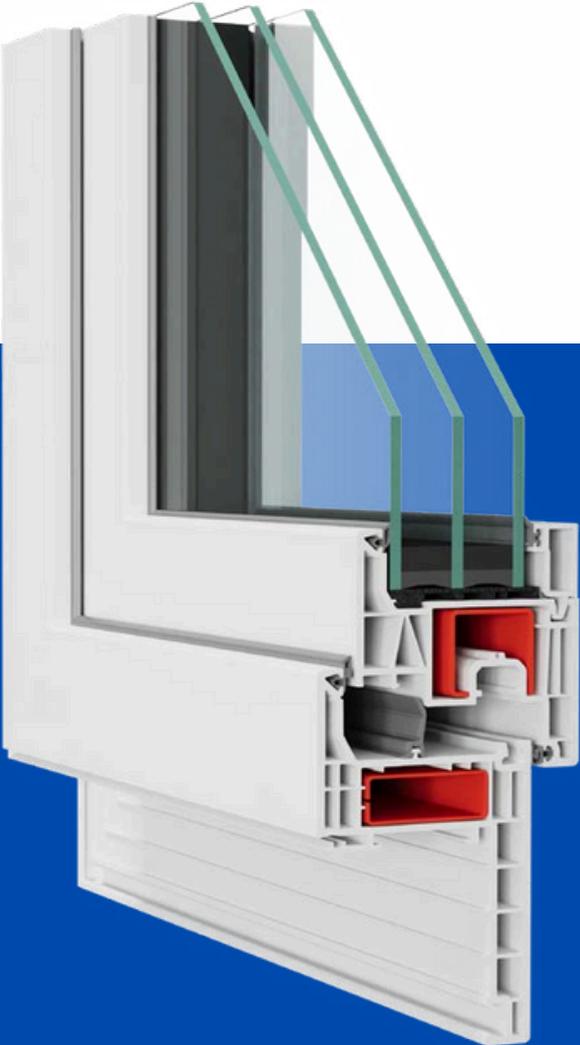
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DECEUNINCK 76 MD WITH RENOVATION FRAME



PRODUCT GEOMETRY

76 mm

Sash depth: **80 mm** frame with a **35 / 65 mm** wing
3 sealing gaskets
5 frame insulation chambers
6 sash insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

Uw ≥ 0,75 W/m2K

ACOUSTIC INSULATION

45 dB

RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



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DECEUNINCK 115 NL

PRODUCT GEOMETRY

76 mm

2 sealing gaskets
5 frame insulation chambers
6 sash insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,75 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

45 dB

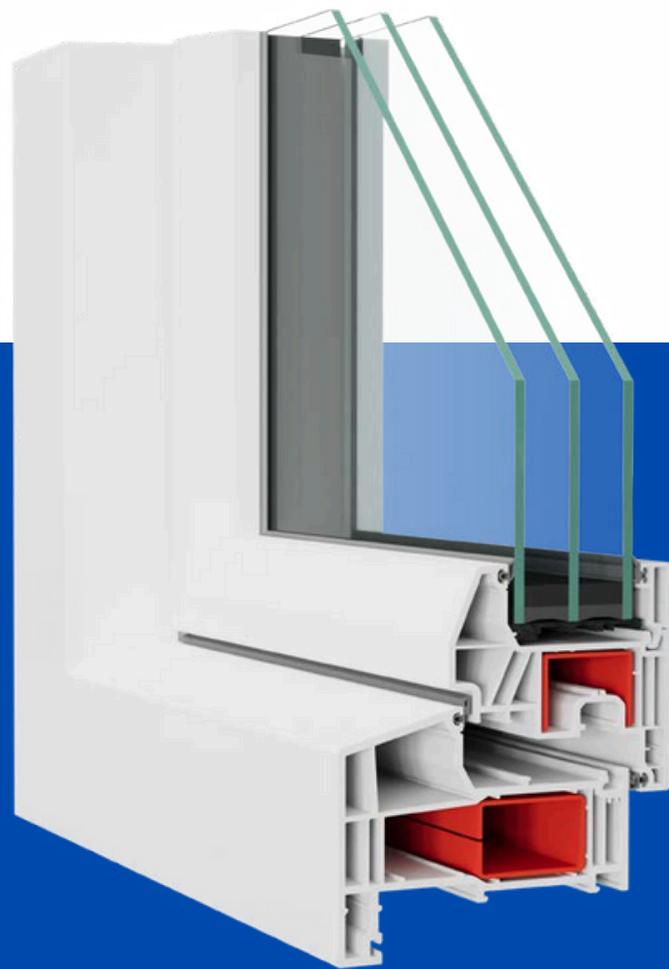
RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



deceuninck

Deceuninck 115NL is the version specific to the construction requirements present in the Dutch market. Features include an installation depth of 115mm as well as a profile face beveled to an angle of 15°. Similar to the system's other variants, there is the possibility of inserting a median gasket into its 115 mm frame.



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DECEUNINCK 76 DOOR

PRODUCT GEOMETRY

76 mm

Sash depth: **80 mm**
1 sealing gasket
6 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,78 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

45 dB

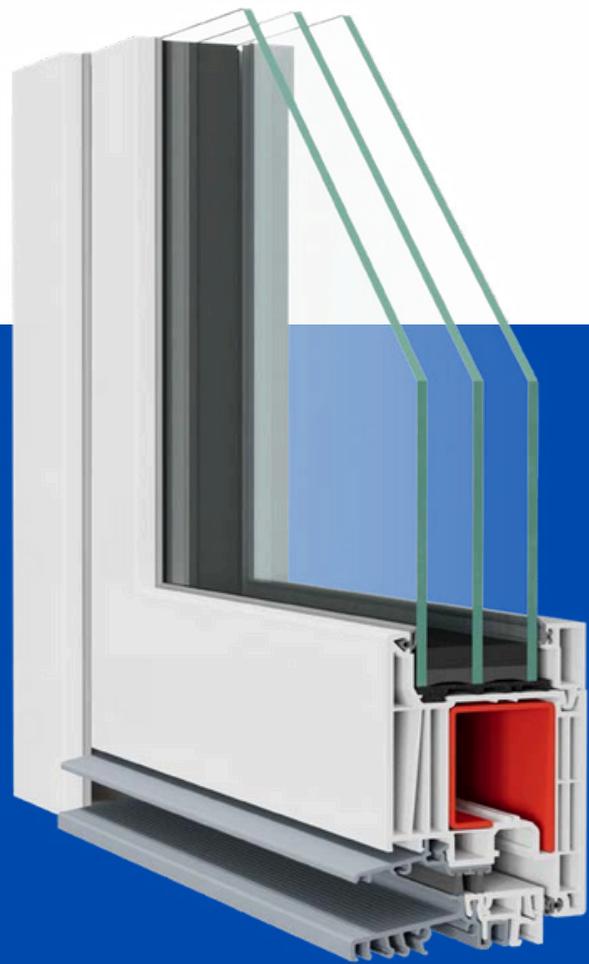
RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



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KÖMMERLING 76 AD

PRODUCT
GEOMETRY

76 mm

2 sealing gaskets
5 insulation chambers

MAXIMUM INSULATING
GLASS UNIT THICKNESS

48 mm

THERMAL
PERFORMANCE

$U_w \geq 0,81 \text{ W/m}^2\text{K}$

ACOUSTIC
INSULATION

47 dB

RESISTANCE AGAINST
ENVIRONMENTAL
CONDITIONS

Class S



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Kömmerling 76 offers all the advantages of modern windows. With a depth of 76 mm, the system can be configured with a six-chamber median gasket seal or as a standard five-chambered double seal. Its design combines contemporary aesthetics with ideal profile proportions. Regardless of your functionality, insulation, durability or environmental friendliness requirements, Kömmerling 76 fits the bill. It allows the use of triple glazed insulating glass units up to 48 mm thick, with a quick and efficient installation.



KÖMMERLING 76 MD



PRODUCT GEOMETRY

76 mm

3 sealing gaskets
6 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

Uw ≥ 0,78 W/m2K

ACOUSTIC INSULATION

47 dB

RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



Kömmerling 76 offers all the advantages of modern windows. With a depth of 76 mm, the system can be configured with a six-chamber median gasket seal or as a standard five-chambered double seal. Its design combines contemporary aesthetics with ideal profile proportions. Regardless of your functionality, insulation, durability or environmental friendliness requirements, Kömmerling 76 fits the bill. It allows the use of triple glazed insulating glass units up to 48 mm thick, with a quick and efficient installation.

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KÖMMERLING 76 AD/MD WITH RENOVATION FRAME

PRODUCT GEOMETRY

76 mm

frame with a 65 mm wing
2/3 sealing gaskets
5 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,78 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

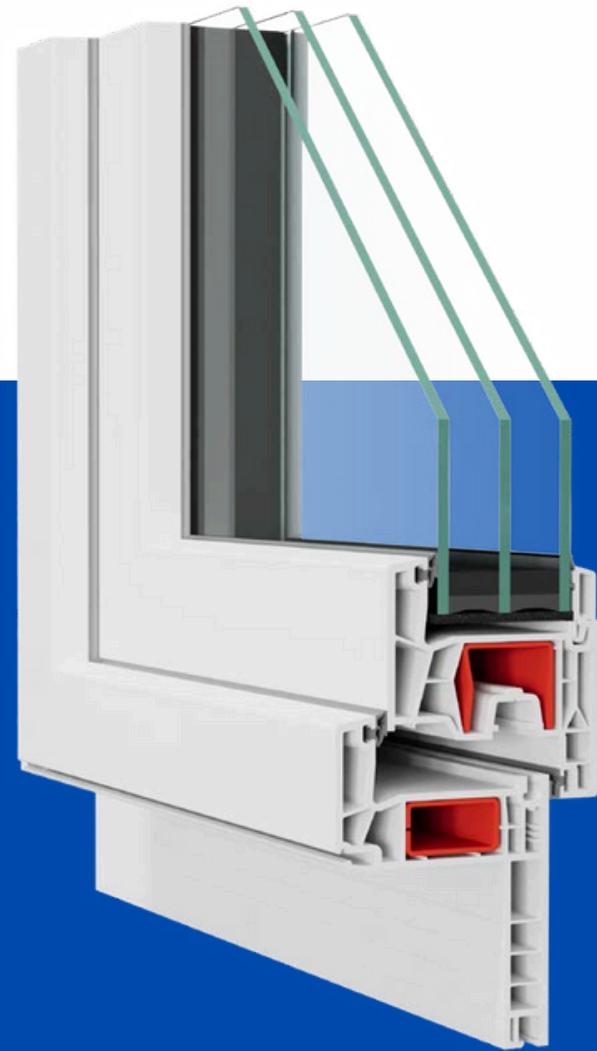
47 dB

RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



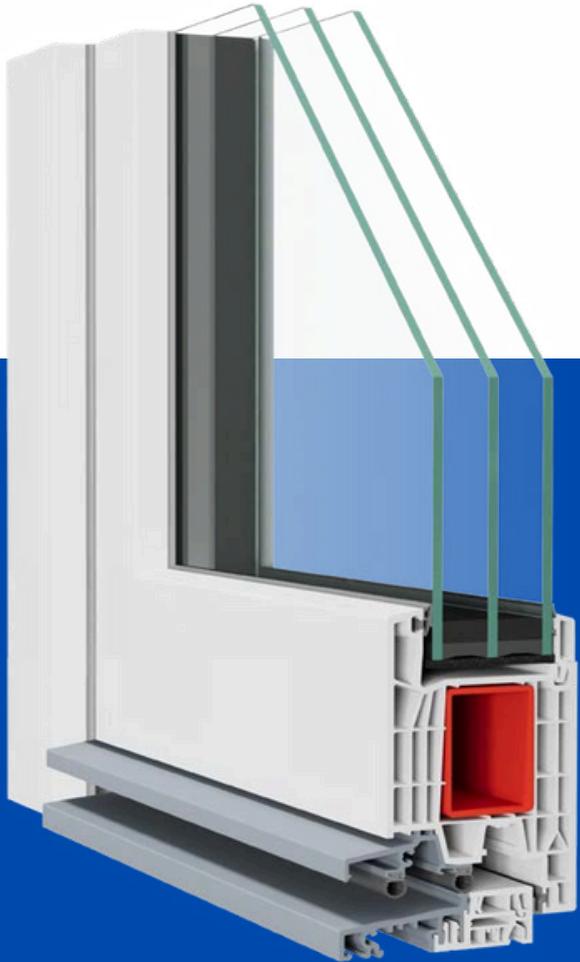
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KÖMMERLING 76 DOOR



PRODUCT GEOMETRY

76 mm

2 sealing gaskets
6 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

Uw ≥ 0,82 W/m2K

ACOUSTIC INSULATION

47 dB

RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S



Kömmerling 76 offers all the advantages of modern windows. With a depth of 76 mm, the system can be configured with a six-chamber median gasket seal or as a standard five-chambered double seal. Its design combines contemporary aesthetics with ideal profile proportions. Regardless of your functionality, insulation, durability or environmental friendliness requirements, Kömmerling 76 fits the bill. It allows the use of triple glazed insulating glass units up to 48 mm thick, with a quick and efficient installation.

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DECEUNINCK HS476

PRODUCT GEOMETRY

76 mm

2 sealing gaskets
5 insulation chambers

MAXIMUM INSULATING GLASS UNIT THICKNESS

48 mm

THERMAL PERFORMANCE

$U_w \geq 0,74 \text{ W/m}^2\text{K}$

ACOUSTIC INSULATION

45 dB

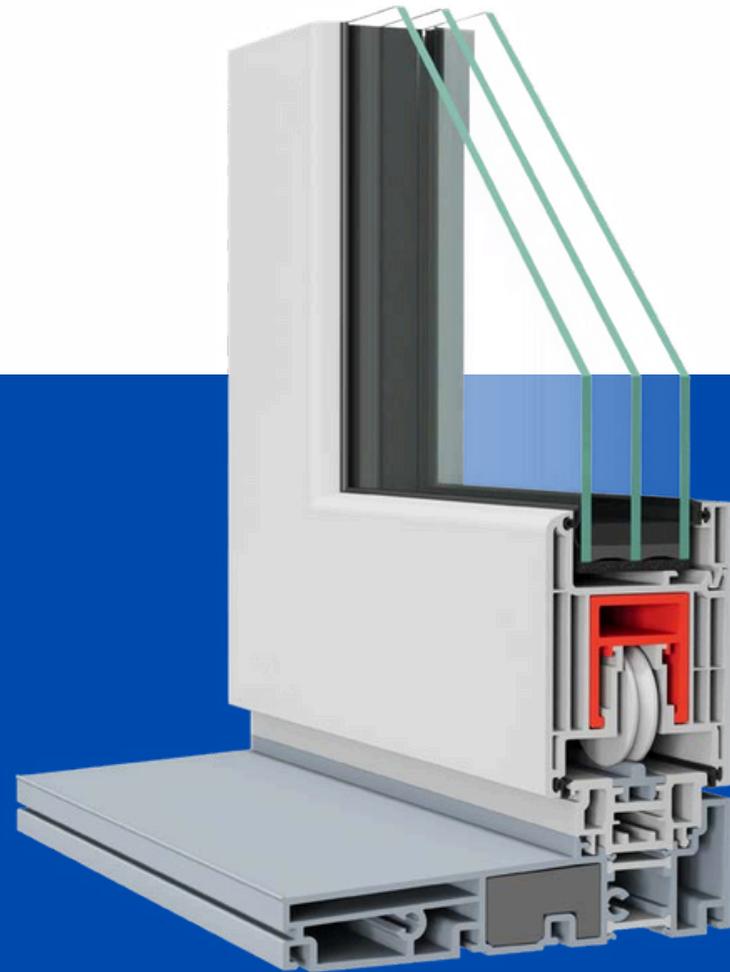
RESISTANCE AGAINST ENVIRONMENTAL CONDITIONS

Class S

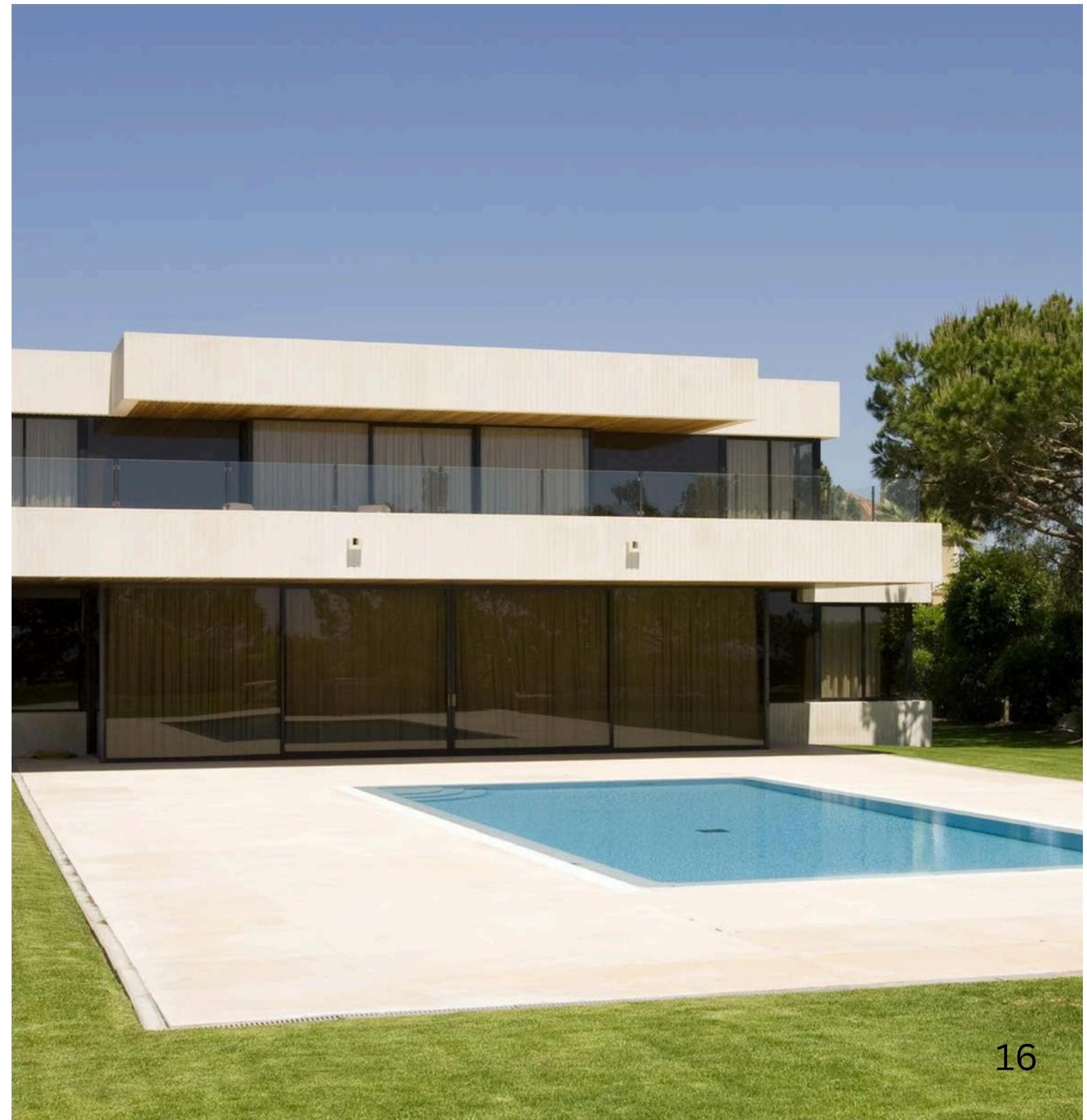


deceuninck

The Deceuninck 76 sliding door series comes with a 5-chambered sash and a frame depth of 76 mm, providing comfort, safety and weather protection. The low threshold facilitates access whilst also ensuring that large elements can be opened and controlled easily.



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Aluminum cladding of PVC joinery

Aluminum cladding skilfully combines the best of both worlds. On the one hand, the reliability and resistance of Aluminum which also offers an elegant appearance to the entire system; on the other, the special thermal and acoustic insulation properties of PVC windows & doors.

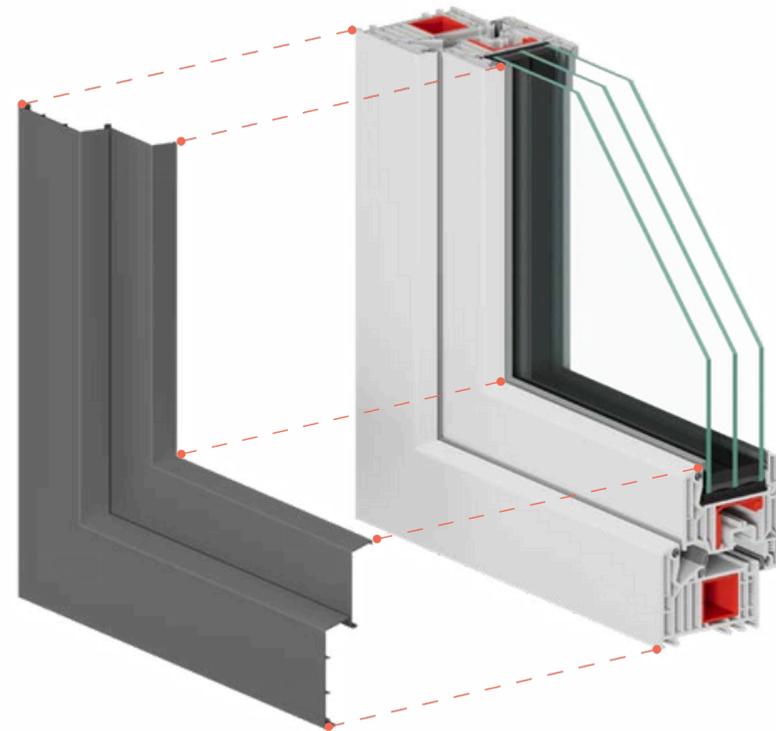
TECHNICAL SPECIFICATIONS

The profiles are cladded only on the outside using extruded aluminum profiles with a thickness of 1.5 mm.

Available in all RAL colors and wood imitations.

Easy to maintain, protects the joinery whilst improving its aesthetics.

High resistance to mechanical and climate factors.



V-Perfect Weld

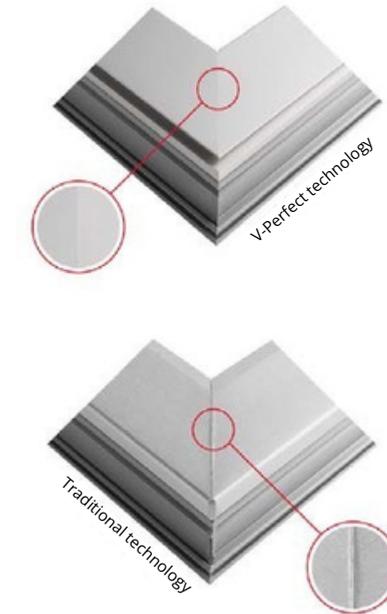
PERFECTION IS RIGHT AROUND THE CORNER



GOOD TO KNOW:

The standard is available for foiled profiles. The delivery time is the same as for conventional welding.

Thanks to this patented technology, which allows the perfect alignment of the profile junctions and the removal of welding marks, the PVC window's corner finish can reach a quality level as high as in the case of wooden or aluminum windows. The appearance of the V-PERFECT weld answers the current architectural needs, thus addressing the complex and constantly evolving requirements imposed by the market.



Min / Max Size: 300 × 300 / 2800 × 3194

Available for the full range of PVC products

Conventional welding is still available



A quality hardware guarantees the optimal usage and safety of the joinery, Horizon offering you both WINKHAUS and MACO solutions. In any variant, the reliability guaranteed at over 15.000 closing-opening cycles, water tightness, multi-point locking and anti-burglary systems are just some of the advantages of the hardware we use. Joineries equipped with our hardware provide protection against incorrect handling and discreet ventilation positions which are secured against burglary attempts.

Horizon offers you window handles with a patented security mechanism, Secustik, which prevents the window from being operated from the outside. As standard, the handles and hinge covers can be white or brown, with silver, bronze, gold, black, dark brown or cremeweiss being available on demand. The door handles we offer also cover a wide range of shapes and colors (white, brown, silver or gold).

HARDWARE AND HANDLES



WE OFFER TWO TYPES OF SYSTEMS FOR ENTRANCE DOORS:

Two lever handles inside/outside

A lever handle on the inside and a pull handle on the outside

PVC Handles



Brown

White

Black

Bronze

Silver

Option 1

Option 2



Gold

Black

Brown

Bronze

Silver

Cream

White



Door Handles

schüring®

greenteQ



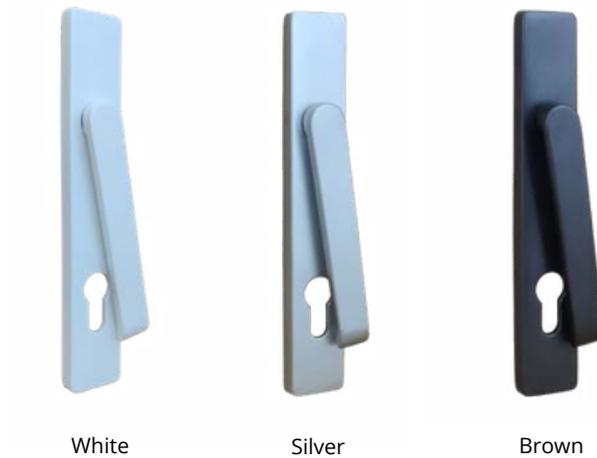
Option 1



Option 1



Option 2



Option 3



Option 2



Option 3



Option 4

Glass

Glass represents approximately 80% of a joinery's surface. Horizon equips its products with SAINT GOBAIN GLASS or GUARDIAN glazings that meet the thermal, acoustic and security requirements, whilst ensuring the desired indoor ambiance. Their winter-summer comfort function maintains a pleasant interior atmosphere throughout the year, with the sheen of its coating giving the space a touch of elegance.

TECHNICAL SPECIFICATIONS

ESG tempered glass is, on average, 4 times more resistant than a standard glass to changes in temperature, strong winds and impacts. When cracked, it breaks down into small pieces without any sharp edges.

Laminated glass is composed of two or more simple glass sheets glued together with a PVB film which, in case of breakage acts as a medium to which the shards remain glued, therefore preventing possible accidents.

Tempered glass aims to protect both users against accidents and buildings against break-ins.

For design purposes or to protect you from prying eyes, Horizon offers you a wide range of decorative glass with a large number of models, textures and colors. Also, for added style and elegance, you can choose between georgian and astragal bars. These can be of different sizes, colors and shapes, made of PVC or Aluminum.

Tempered glass: Horizon ESG

ESG is a type of glass that, following the tempering process, shows a considerably higher resistance to mechanical and thermal stresses compared to ordinary glass (including laminated glass). In case of breakage, ESG glass fragments into small pieces with blunt edges. Its superior mechanical properties recommend it for large glazed elements.

USES:

Architectural: all types of interior or exterior windows, doors and glass assemblies, consisting of independent or linked elements, facades, glazed roofs, stairs and even glass floors;

Urban furniture: telephone booths, public transport stations, parapets;

Interior furniture: table tops, shower cabins, shelves, furniture.

WHY ESG (TEMPERED) GLASS?



ESG glass is 50% lighter than laminated glass, thus facilitating its transport and assembly whilst at the same time extending the joinery's life by reducing the load on the hardware.



It is 5 times more resistant to tension, shocks and bending stresses compared to an ordinary or laminated glass of the same thickness.



It reduces the risk of injury in case of breakage, by fragmenting into small, blunt pieces and limits the risk of break-ins.



Color palettes

With a palette of over 100 colors and effects (different wood imitations as well as solid matte or metallic colors) we offer a customized solution for everyone's taste, ensuring diversity, durability and color resistance over time.

You can opt for white on two sides, white on the inside/color on the outside or color on both sides.

The three options for gaskets perfectly complement the profile offer. Depending on Horizon's standard regarding gasket to PVC body color combinations, the available options are: gray gaskets on white and cream profile bodies, black gaskets on gray and brown bodies and caramel gaskets on caramel bodies.

ANTHRAZITGRAU
GLATT



JET BLACK SFTN



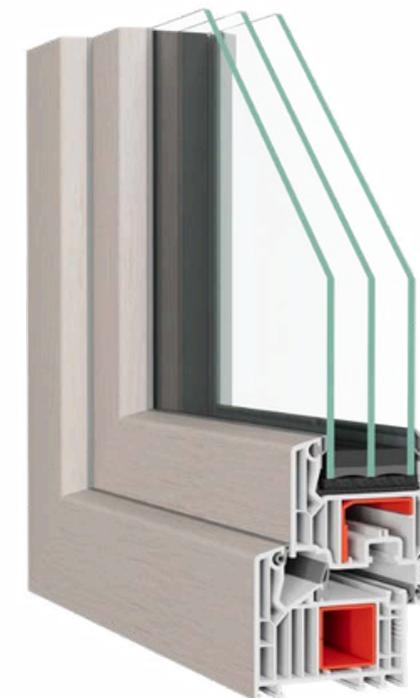
CREMEWEISS



MOOREICHE ST-F

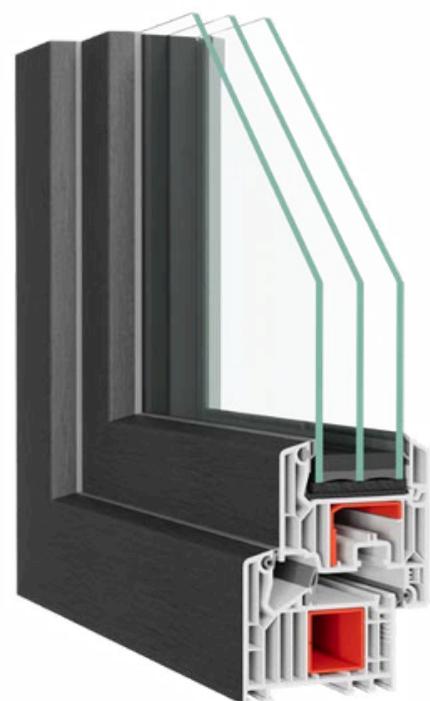


SHEFFIELD OAK
LIGHT



GROUP 1

ANTHRAZITGRAU



GOLDEN OAK



NUSSBAUM



GRAU



QUARZGRAU



WEISS



Color reproductions are only partial and approximate.
For the complete and accurate color range, please
consult the official Horizon color palettes.

AVAILABLE BODY COLOR OPTIONS: VEKA 76 - white, cream, brown, caramel, gray DECEUNINCK - white, gray KOMMERLING 76 - white, brown, caramel DECEUNINCK HS - white

COLORS OF THE GASKETS IN THE CASE OF LAMINATED PROFILES Gray gasket - White profile, Ivory profile Black gasket - Gray profile, Brown profile Caramel gasket - Caramel profile



Achatgrau



Aluminium Geburstet



Alux DB 703



Basaltgrau



BrillantWeiss



Eiche Dunkel FL-F1



Grau Glatt



Hellefenbein



Lichtgrau



Metbrush Messing



Sapeli



Schiefergrau



Schokobraun



Schwarzbraun



Schiefergrau Glatt



Basaltgrau Glatt



Streifen Douglasie



Winchester XA



Douglasie



Siena Noce



Siena Rosso



Alux Graualuminium



Bergkiefer



Black Cherry



Brillantblau



Betongrau



BraunMaron



Kobaltblau



Rosewood



Schwarzgrau Glatt



Zinkgelb



Crown Platin



Dunkelgrun



Dunkelrot



Earl Platin



Eiche Hell



Eiche Rustical



Irish Oak



Jet Black Stylo



Macore



Metbrush Anthrazitgrau



Metbrush Platin



Metbrush Quarzgrau



Metbrush Silver



Moosgrun



Mountain Oak



Anthrazitgrau Ultimatt



Black Ultimatt



Oregon



Papyrusweiss



Pastelgrun



Quarz Platin



Quarzgrau Glatt



Rustic Cherry



Schwarzgrau



Sheffield Oak Grey



Shogun AC



Shogun AD



Shogun AF



Signalgrau



Stahlblau



Weinrot

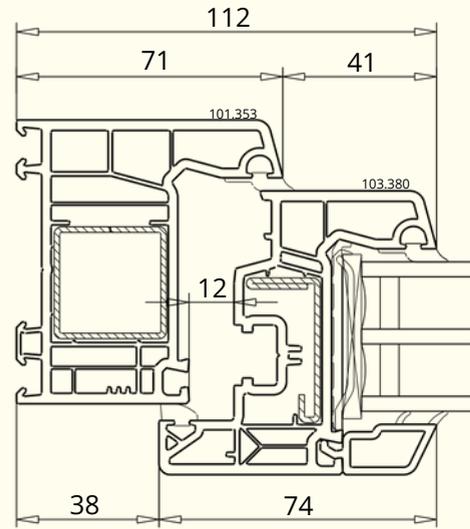
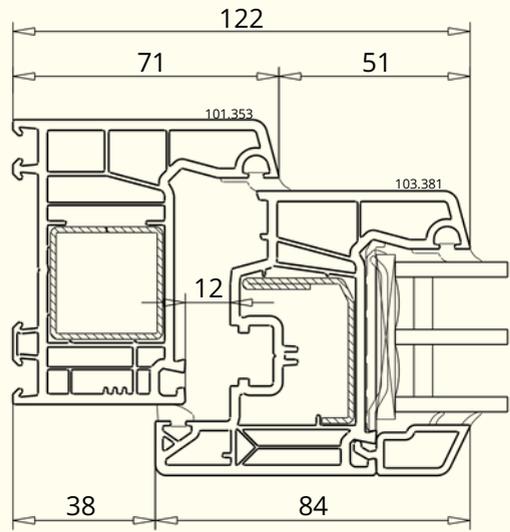


Achatgrau Glatt

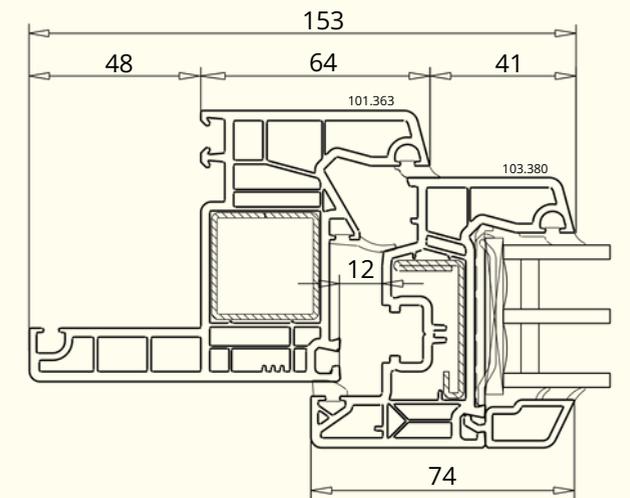
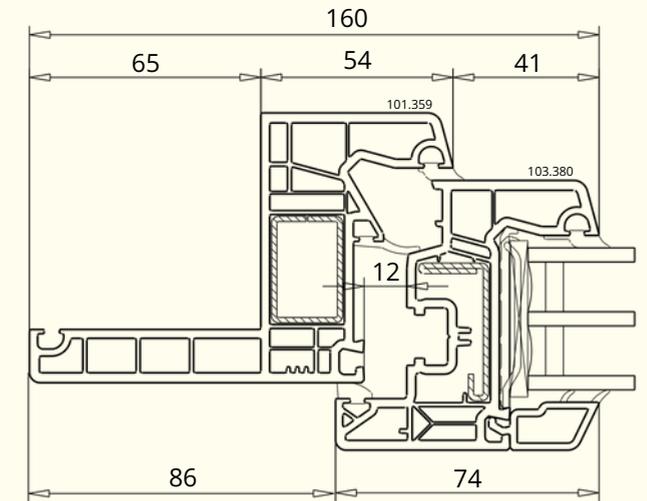
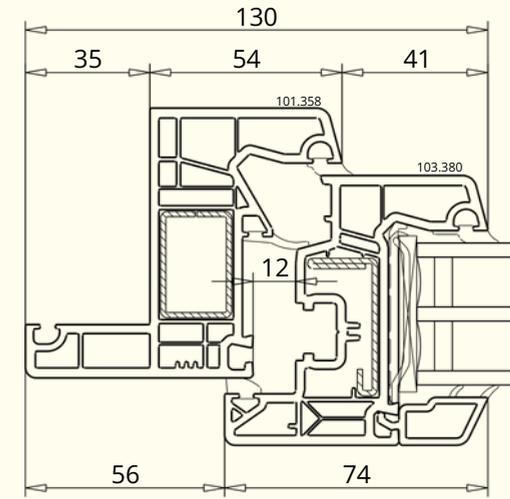


Black Smooth 2

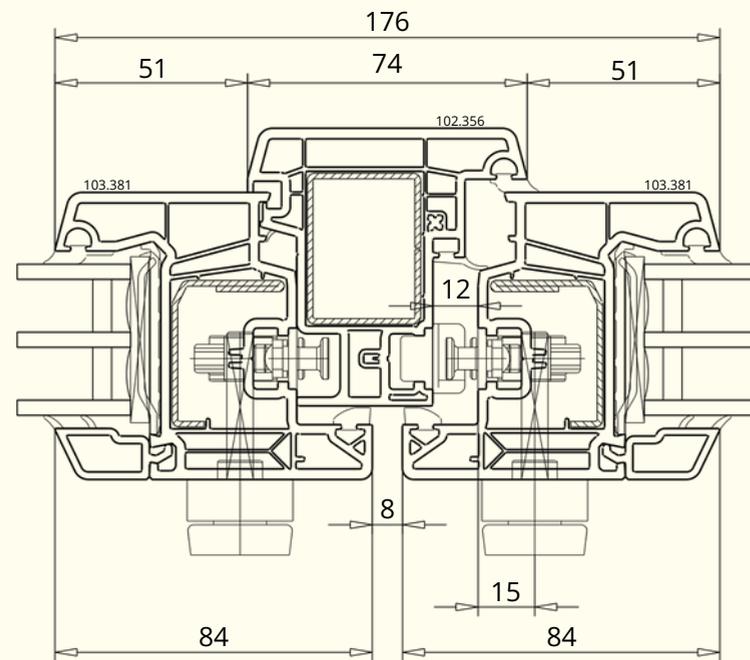
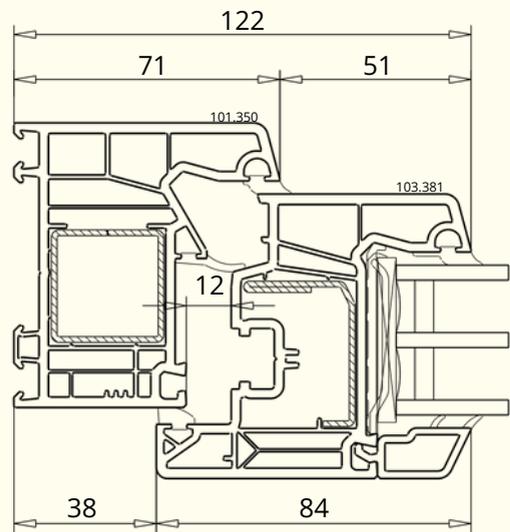
VEKA 76 AD



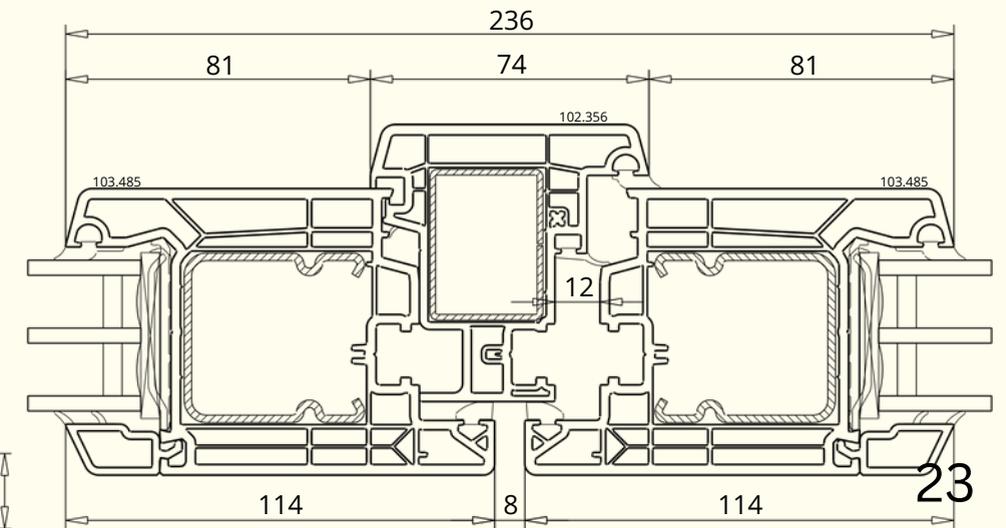
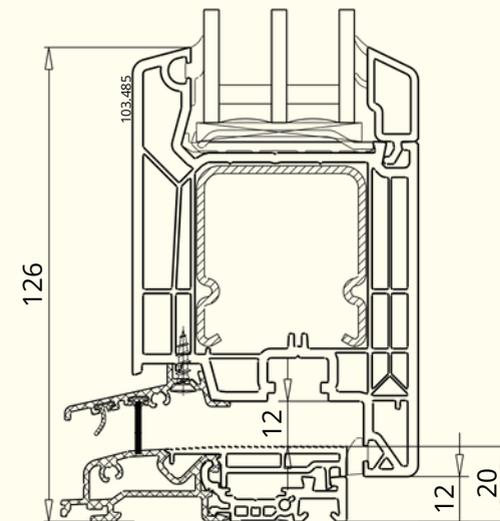
VEKA 76 WITH RENOVATION FRAME



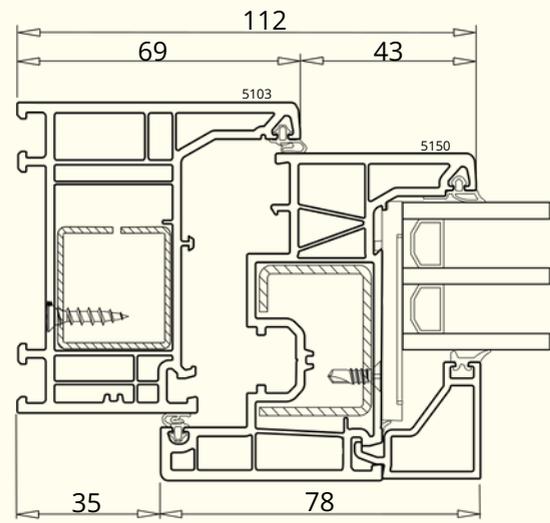
VEKA 76 MD



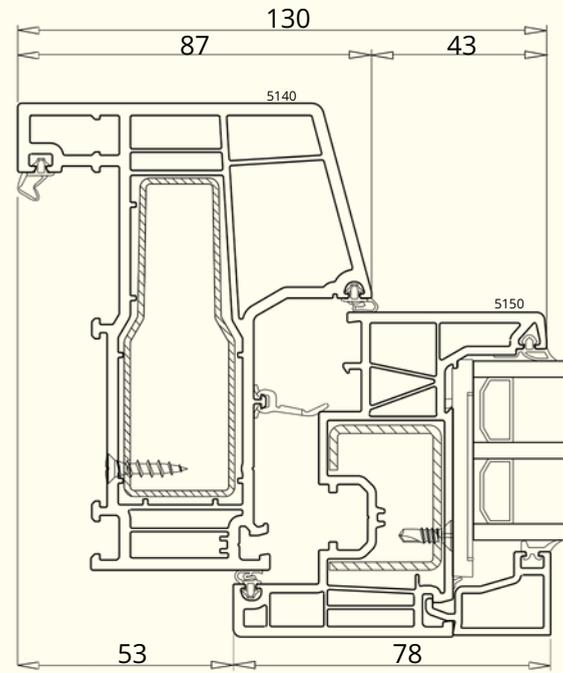
VEKA 76 DOOR



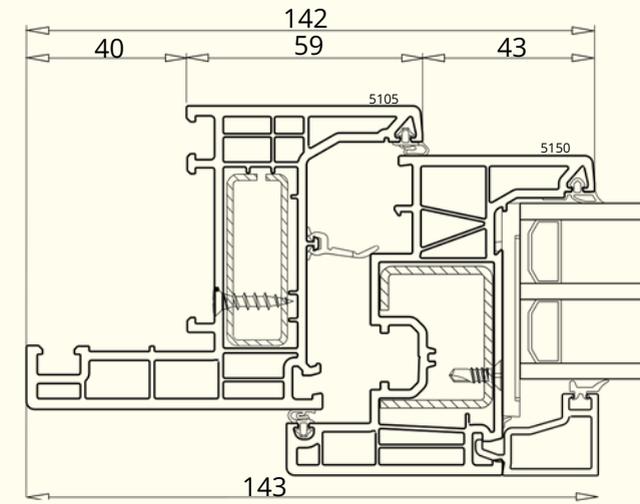
DECEUNINCK 76 AD



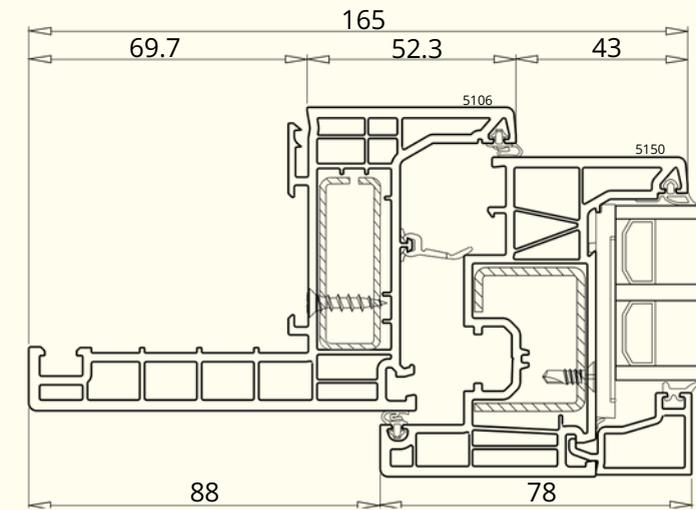
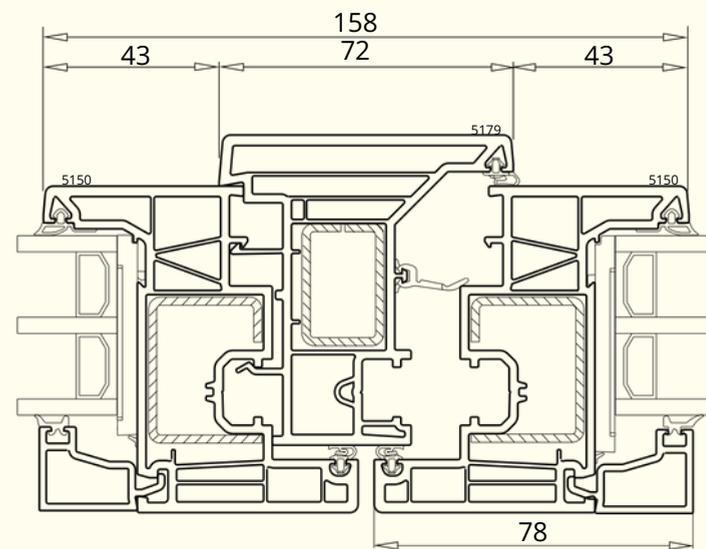
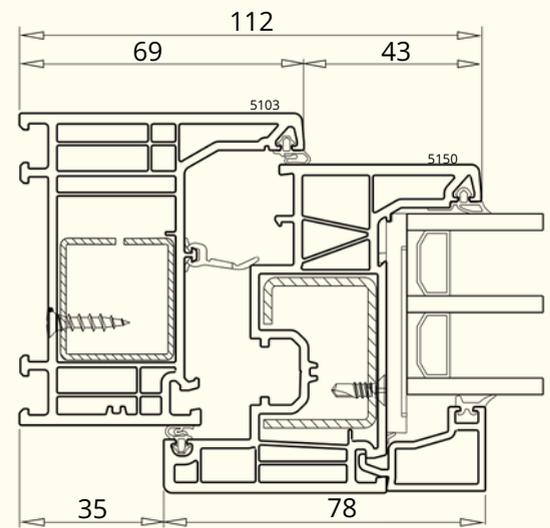
DECEUNINCK 76 NL



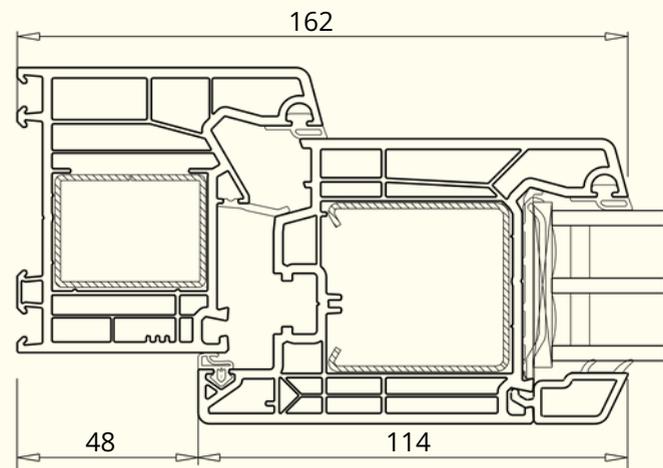
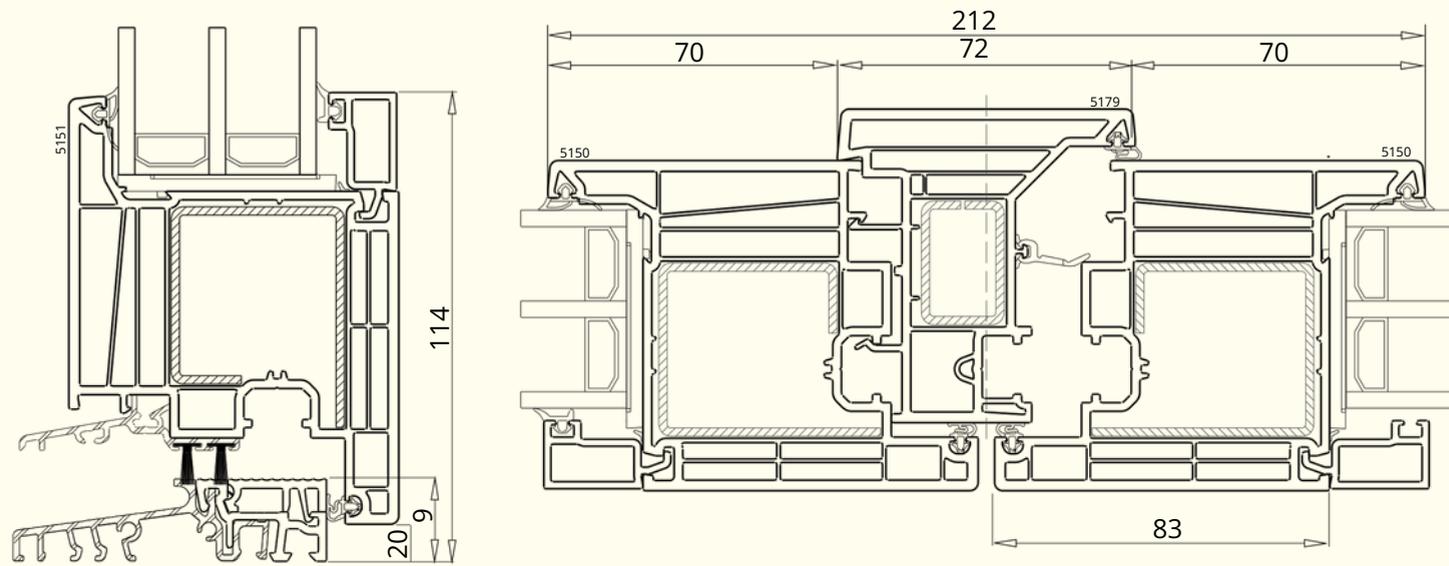
DECEUNINCK 76 WITH RENOVATION FRAME



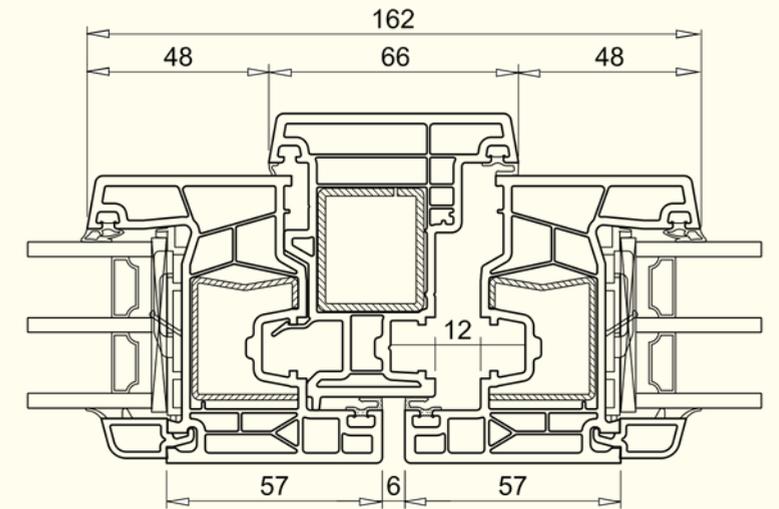
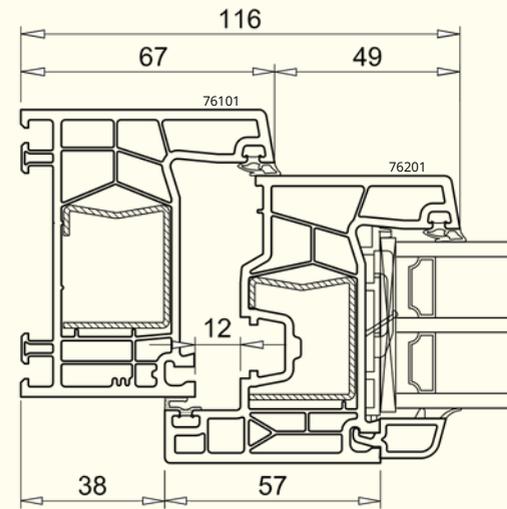
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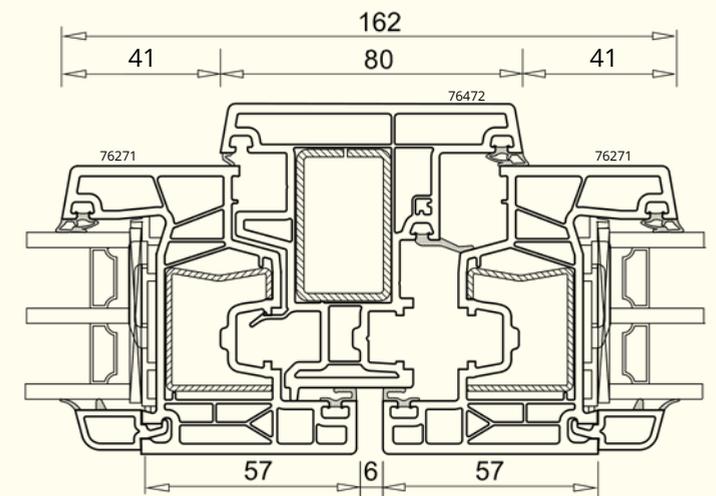
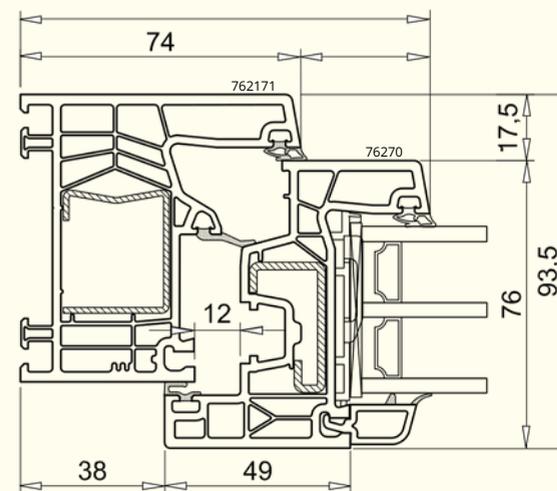
DECEUNINCK 76 DOOR



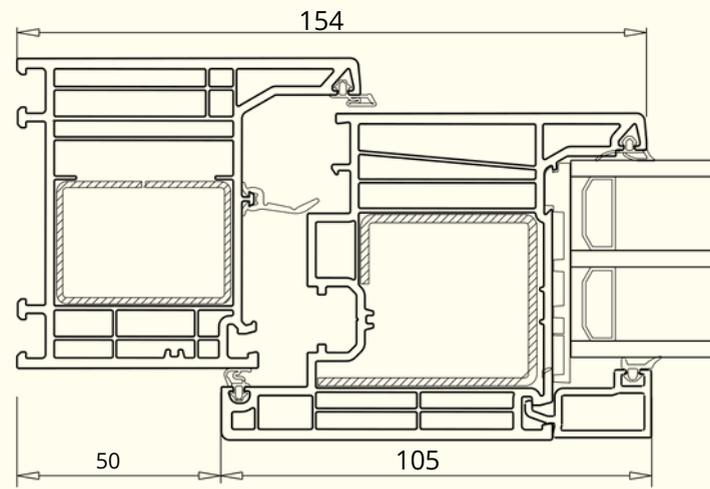
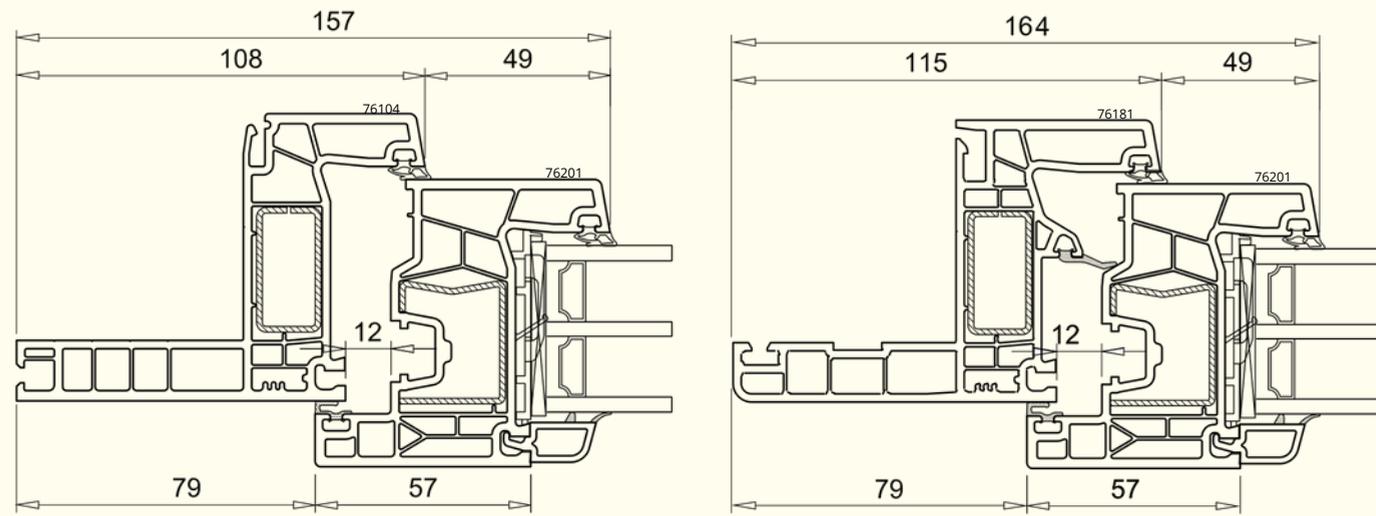
KOMMERLING 76 AD



KOMMERLING 76 MD



KOMMERLING 76 WITH RENOVATION FRAME



KOMMERLING 76 DOOR

