



# Welcome Home

JULY 2024

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# Dear Customers!

MARTOM is a family-owned company established in 1999. Since its inception, the company has focused exclusively on the production of exterior doors. We believe that narrowed specialization gives technological and financial advantages over competitors. The company's entire human potential and financial effort is focused on the development and improvement of just one single product — exterior doors. For manufacturing companies, experience is a very important factor. Many years of improving technology, eliminating errors and optimizing processes is the best guarantee of quality. Over the years, we have managed to create an excellent team of employees whose experience, knowledge, creativity and passion are underlying the company's success. We have developed a proprietary hybrid technology that provides us with a major competitive advantage. We are very pleased that our efforts and hard work find recognition with you. We currently produce more than 50 thousand premium exterior doors per year. We owe it to your trust that we are one of the leaders in the exterior doors market and enjoy a very high growth rate.

With best regards,  
MARTOM's management and employees



## Hybrid Door Concept

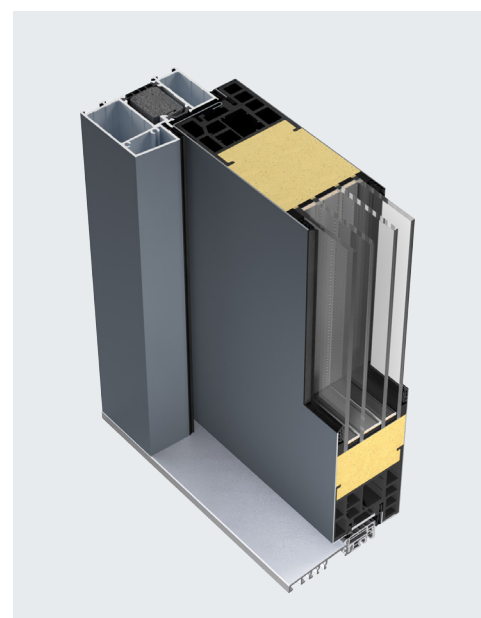
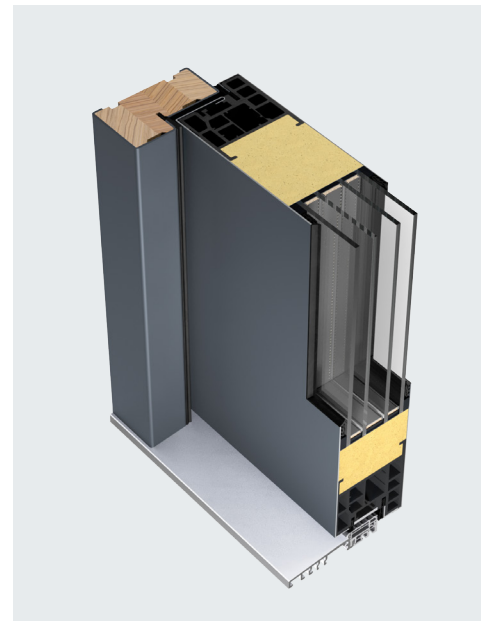
Various materials are used in the production of exterior doors. The most common are: wood, aluminum, PVC and steel. All these materials have their advantages, but they also have disadvantages.

**THE CONCEPT OF MARTOM HYBRID DOORS IS TO INTELLIGENTLY COMBINE DIFFERENT MATERIALS IN SUCH A WAY AS TO UTILIZE THEIR ADVANTAGES WHILE LIMITING THEIR DISADVANTAGES.**

MARTOM uses materials such as aluminum, wood, new-generation fiberglass-reinforced ABS plastic, veneered steel sheet, stainless steel and high-density polyurethane foam to manufacture exterior doors.

### WHY CHOOSE MARTOM DOORS?

A great advantage of MARTOM's proprietary hybrid technology is that doors with excellent performance and exceptional design can be offered at an attractive price.



# Unique Design

In the case of MARTOM's offerings, the phrase "unique design" is not an empty advertising platitude. Cooperation with renowned design studios has resulted in the creation of four door collections with proprietary designs. The design work was preceded by a thorough study of Customers' needs and architectural trends.



# Tailor-Made Doors

Our company's philosophy focuses on maximum product customization. We do not keep ready-made doors in stock — each project is treated individually. Buyers can choose products with different parameters and functionalities. The greatest opportunities for personalization are in the area of design; the range is very wide and caters to different tastes. A tool that facilitates the design of "Tailor-Made Doors" is the configurator available in our website.



# Technology Stock

MARTOM is betting on production automation. A state-of-the-art technological stock is crucial in achieving the highest quality products. Accuracy, reproducibility and precision of workmanship are guaranteed by numerically controlled machines and robots.

## MANUFACTURING COMPLEXITY

MARTOM manufactures everything from scratch. The company itself processes wood, glass, laser-cuts details in steel and aluminum sheets, and features a door leaf foaming plant. Such a wide range of manufacturing processes is unprecedented among door manufacturers. This translates into a number of benefits for Customers, such as better quality control, ability to personalize design, short lead times and lower manufacturing costs.



**MARTOM'S PRODUCTION PHILOSOPHY IS BASED ON FOUR CORNERSTONES:**

- ✓ Complexity
- ✓ Automation
- ✓ Quality
- ✓ Cost management

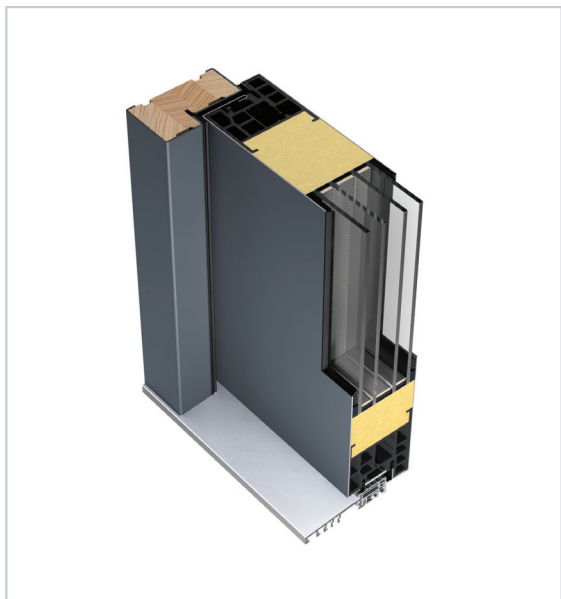


# MARTOM — Leader in Innovation

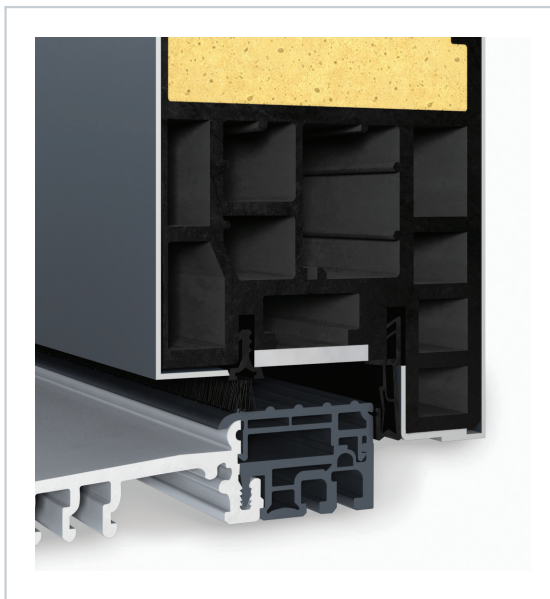
MARTOM has developed its own proprietary and patent-protected technology. This distinguishes us from most companies on the market using standard system solutions. This, too, makes MARTOM doors unique, as we take advantage of solutions not available anywhere else. This applies to, both, technical and design aspects. The company's philosophy based on its own know-how unleashes creativity and innovation. We create unique doors for unique Customers.

**DOORS, WHICH ARE BETTER THAN OTHER DOOR MARKET PRODUCTS, THANKS TO PROPRIETARY HYBRID TECHNOLOGY INVOLVING THE INTELLIGENT COMBINATION OF DIFFERENT MATERIALS TO MAKE FULL USE OF THEIR ADVANTAGES WHILE ELIMINATING DISADVANTAGES.**

## I. SIMPLE ELEGANCE TECHNOLOGY



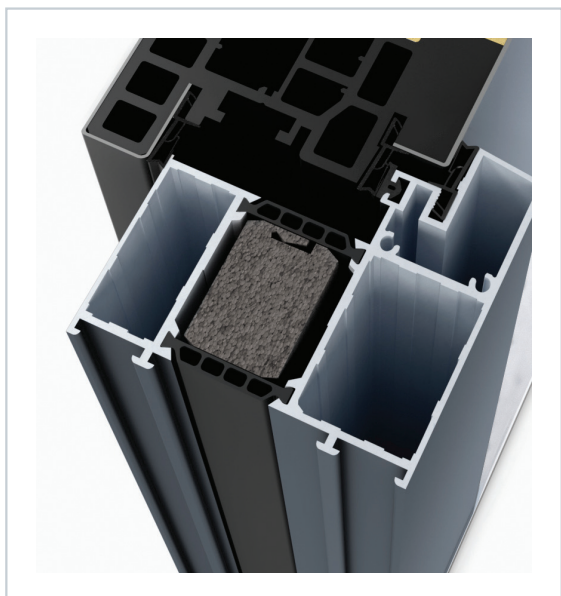
## II. NEW GENERATION MODULAR LEAF FRAME



NEW FRAME PACKAGE.  
SCAN AND VIEW THE  
ANIMATION:



## III. PROPRIETARY ALU 90 MM FRAME



## IV. PROPRIETARY MET/DREW 90 MM FRAME



MET/DREW FRAME.  
SCAN AND VIEW THE  
ANIMATION.



One model — countless arrangement possibilities



With the exemplary model, we present only a small portion of the possible design compositions available in our offer. MARTOM's configurator, available at [www.drzwimartom.pl](http://www.drzwimartom.pl), gives you the opportunity to fully personalize the design, technical parameters and self-pricing.

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#### VENEER COLORS AND PATTERNS

Doors can be either solid or multi-colored. It is possible to choose different colors for the center, exterior, leaf and frame

2

#### COLORS OF GLAZING APPLICATIONS

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#### TYPES AND PATTERNS OF GLAZING

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#### HANDLE AND GRAB HAND-RAIL DESIGNS

Each design in different colors

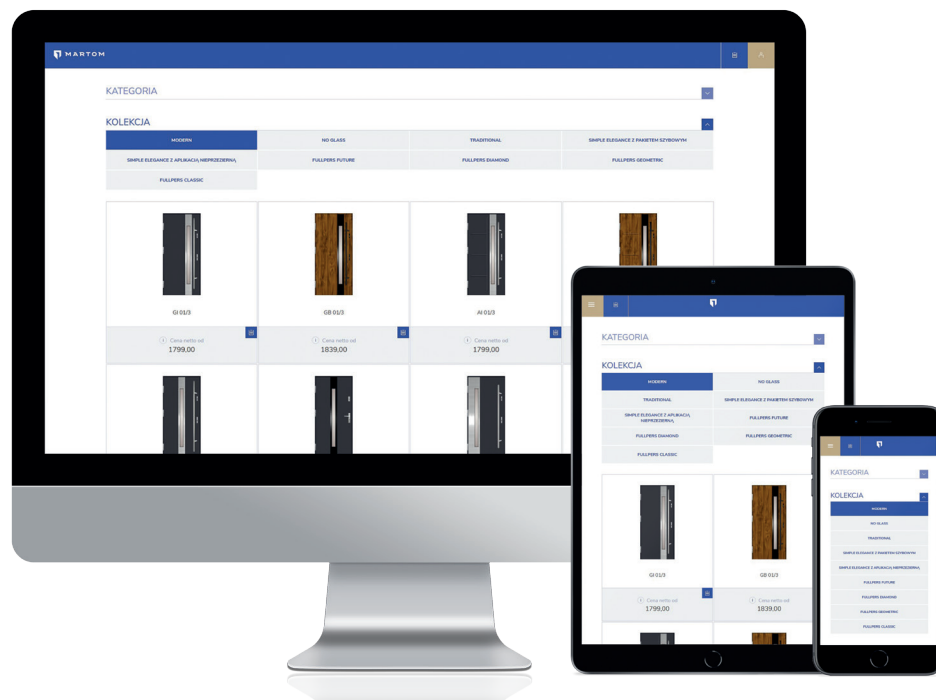
4

#### TYPES OF LOCK

The type of lock also affects the appearance of a door, as it dictates the number and design of escutcheons



TENS OF THOUSANDS OF CONFIGURATION OPTIONS ONLY FOR THIS MODEL



Design your door yourself. Try our intuitive configurator.

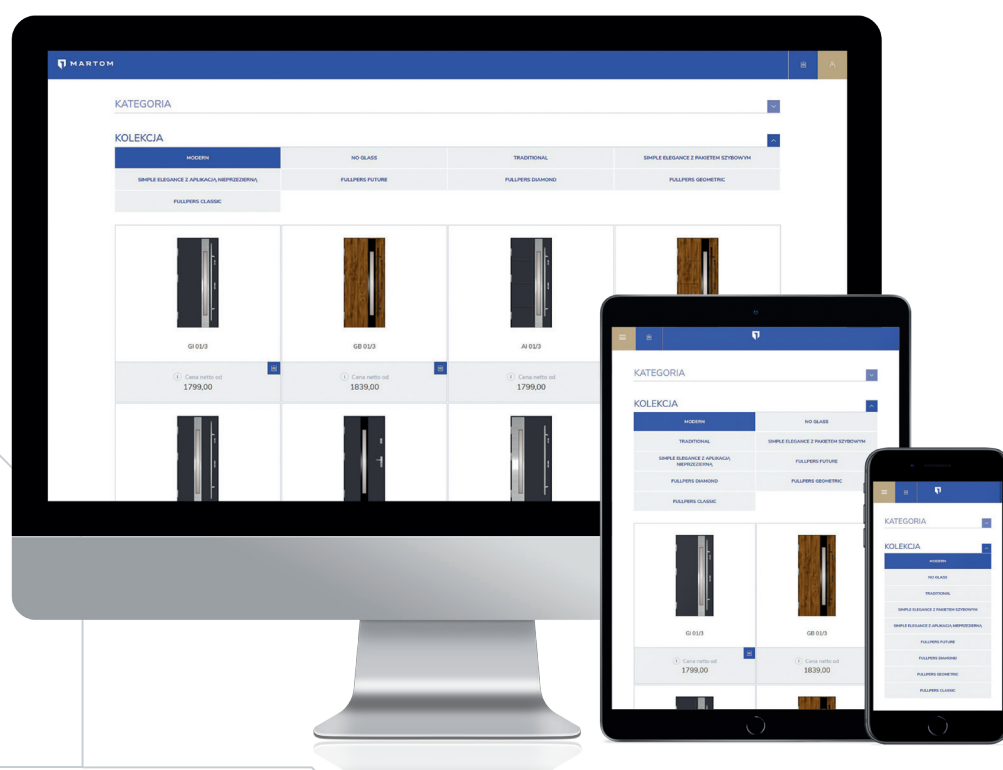
[WWW.DRZWIMARTOM.PL](http://WWW.DRZWIMARTOM.PL)

# Online Configurator

The configurator is an IT version of a traditional printed catalog. However, this is a far superior version. It gives a lot of possibilities that are not available in the printed version. It is no longer necessary to imagine how models look in a different color or with a different grab hand-rail.

## THE MOST IMPORTANT ADVANTAGES OF THE CONFIGURATOR

- ✓ Possibility to change the door color
- ✓ Ability to see how a door would look with different glazing
- ✓ Ability to "try on" various accessories such as grab hand-rails or handles
- ✓ The software itself calculates the price depending on the options selected
- ✓ Ability to see how a door would look from the outside and inside
- ✓ And many more



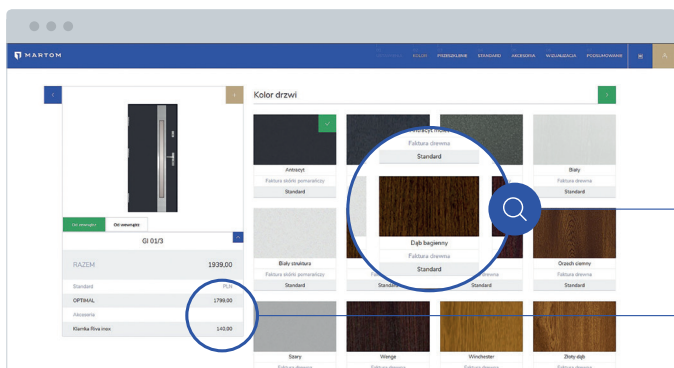
01

- ✓ Available on computers, tablets and smartphones
- ✓ Intuitive navigation
- ✓ Large visualizations of doors and accessories
- ✓ Ability to zoom in on details
- ✓ Additional descriptions
- ✓ Ability to generate a PDF with full specifications, pricing and photos of a model

Design your door yourself. Try our intuitive configurator.

[WWW.DRZWIMARTOM.PL](http://WWW.DRZWIMARTOM.PL)

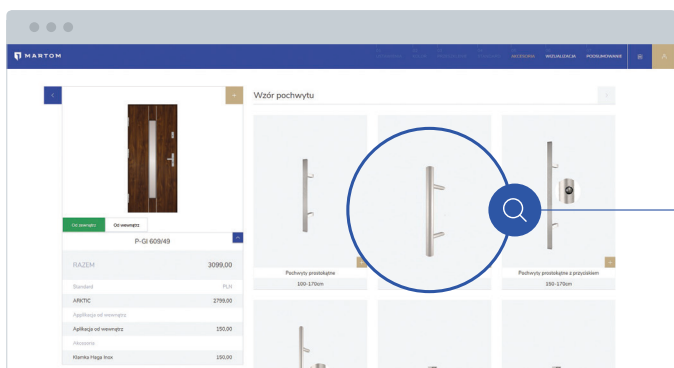
# Simple, intuitive operation



02

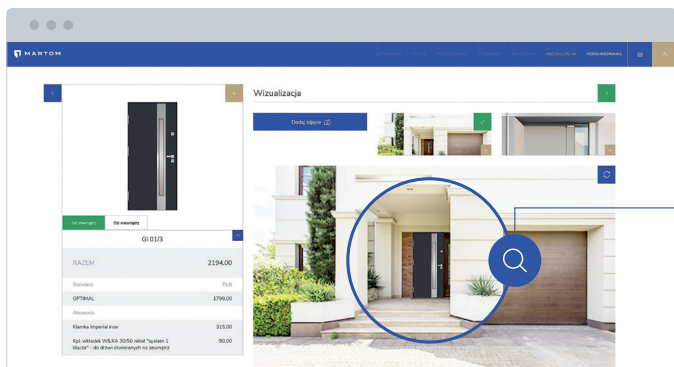
Ability to see the door in all available colors

The software itself calculates prices depending on the options selected



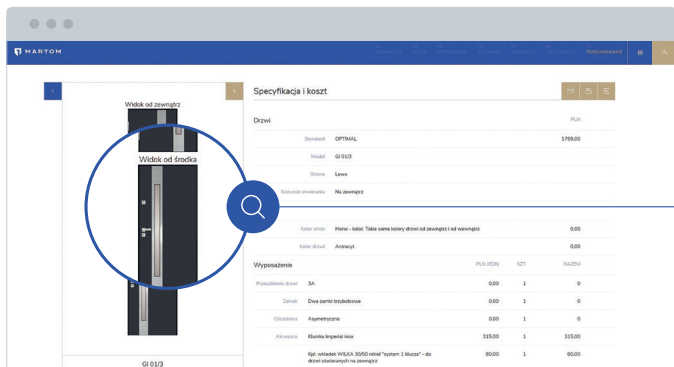
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Ability to evaluate how a particular grab hand-rail or handle looks on the selected model



04

Ability to visualize the configured door in a photo of your own house



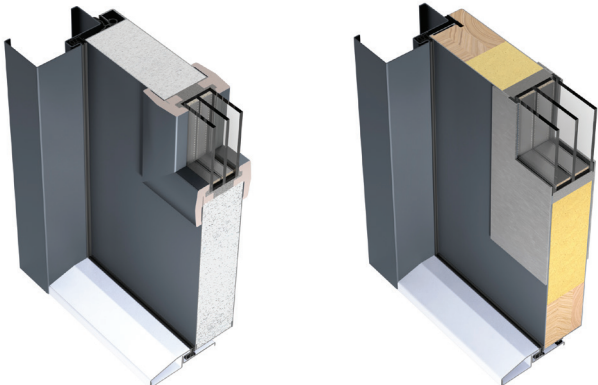
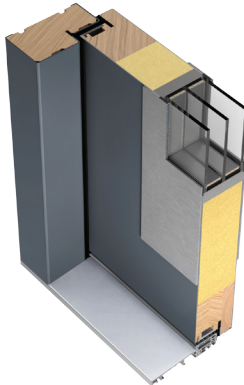


05

Ability to see what a particular model looks like from the inside

# House Doors – Thermal Standards

The most important technical parameter of an exterior door is its thermal insulation. The thermal insulation of a door is best illustrated by the  $U_d$  heat transfer coefficient. It determines how much heat will “escape” through 1 sq.m of a door at a temperature difference of 1°C between external and internal ambient temperature. The lower the  $U_d$  value, the better the given material protects against heat loss. Twice as much heat is lost through a door with  $U_d = 1.2 \text{ W/m}^2\text{K}$  coefficient than through a door with  $U_d = 0.6 \text{ W/m}^2\text{K}$  coefficient

 <b>Ud coefficient</b> <b>Ud — no requirements</b>		 <b>Ud coefficient</b> <b>Ud &lt; 1,3 W/m²K</b>	
<b>EU regulations</b>  <b>Apartments</b> Entrance to an apartment from a heated staircase.  <b>Unheated utility rooms</b>  <b>Interior doors</b> There are heated rooms on both sides of a door.		<b>EU regulations</b>  <b>Houses in normal and high energy standards</b> From 2021, pursuant to EU standards, doors installed in heated buildings should have a $U_d$ coefficient lower than 1.3 $\text{W/m}^2\text{K}$ . This is a legal requirement with newly constructed buildings. For renovations, this is a recommendation.	
<b>Recommendation of the standard</b> Optimal standard	<b>Recommendation of the standard</b> Optimal with slat lock	<b>Recommendation of the standard</b> Nordic	
Ud of 1,5 $\text{W/m}^2\text{K}$ for solid doors Ud of 1,7 $\text{W/m}^2\text{K}$ for glazed doors	Ud of 1,2 $\text{W/m}^2\text{K}$ for solid doors Ud of 1,4 $\text{W/m}^2\text{K}$ for glazed doors	Ud of 0,93 $\text{W/m}^2\text{K}$ for solid doors Ud of 1,1 $\text{W/m}^2\text{K}$ for glazed doors	
<b>OPTIMAL</b>		<b>NORDIC</b>	
			
<b>Leaf thickness</b> <b>55 mm</b>		<b>Leaf thickness</b> <b>55 mm</b>	
<b>Market segment</b> <b>Economical</b>		<b>Market segment</b> <b>Medium</b>	
<b>Use Recommendation</b>  Doors recommended in cases where thermal insulation is not of great importance — for garages, boiler rooms or technical rooms. They can be made in anti-burglary, fire-proof and acoustic versions. It is worth noting that some models, especially with larger sizes, meet the standards for new houses. However, as they are furnished with steel (cold) frame, it favors the solution against the use in new houses.		<b>Use Recommendation</b>  Most houses in Poland are built up to normal energy standards. The Nordic standard meets regulatory requirements for new houses and is an economical alternative to Arctic energy-saving doors. Nordic is often chosen for houses undergoing renovation, built in older technologies and as a secondary door for poorly heated or unheated rooms.	

For the sake of the environment, the EU is introducing regulations to reduce heating energy consumption. Doors, depending on where they are incorporated, also have to meet strict standards, which are shown in the table below. The EU guidelines are well suited for energy efficiency, and when observed, they allow for rational choice of the right door. The general guideline is to match the thermal standard of a door to the energy standard of a building.

 <b>Ud coefficient</b> <b>Ud &lt; 1 W/m²K</b>		 <b>Ud coefficient</b> <b>Ud &lt; 0,8 W/m²K</b>	
<b>EU regulations</b>  <b>Energy Efficient Houses</b> A low-energy house (LEH; Polish designation: NF40) is a building with an annual heat demand of less than 70 kWh (sq.m/year).		<b>EU regulations</b>  <b>Passive Houses</b> A passive house (PH, Polish designation: NF15) is one with an annual energy demand of no more than 15 kWh (sq.m/year).	
<b>Recommendation of the standard</b> Arctic with MET/DREW frame	<b>Recommendation of the standard</b> Arctic with aluminum frame	<b>Recommendation of the standard</b> Passive with MET/DREW frame	<b>Recommendation of the standard</b> Passive with aluminum frame
<b>Ud of 0,82 W/m²K</b> for solid doors <b>Ud of 0,96 W/m²K</b> for glazed doors	<b>Ud of 0,83 W/m²K</b> for solid doors <b>Ud of 0,97 W/m²K</b> for glazed doors	<b>Ud of 0,61 W/m²K</b> for solid doors <b>Ud of 0,7 W/m²K</b> for glazed doors	<b>Ud of 0,67 W/m²K</b> for solid doors <b>Ud of 0,78 W/m²K</b> for glazed doors
<b>ARKTIC</b>		<b>PASSIVE</b>	
			
<b>Leaf thickness</b> <b>72 mm</b>		<b>Leaf thickness</b> <b>90 mm</b>	
<b>Market segment</b> <b>Premium</b>		<b>Market segment</b> <b>Premium Plus</b>	
<b>Use Recommendation</b>  The most popular standard among Customers who are building new houses. Arctic features excellent technical performance and high quality workmanship. Doors are available in all design versions.		<b>Use Recommendation</b>  Chosen by a growing number of Customers who are building energy-efficient or passive houses in the Premium Plus segment. Passive doors are well ahead of energy and technical trends.	

# Door lock is the key to convenience and security

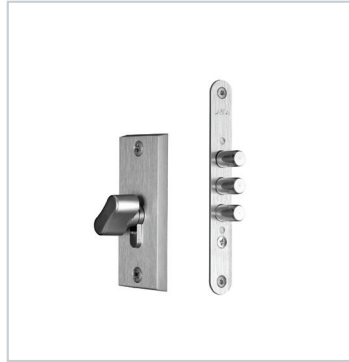
## SOLID STANDARD

Two three-bolt locks are standard in MARTOM doors. Their solid construction effectively protects against attempts of breaking down a door.

The locks are locked and opened independently. A practical solution is to choose cylinders in a single key system — the same key can be used to lock and open both cylinders. As a result, you only need to carry one key.

**LOCKS AVAILABLE IN STANDARDS:**  
Optimal, Nordic i Arctic.

## TWO 3-BOLT LOCKS



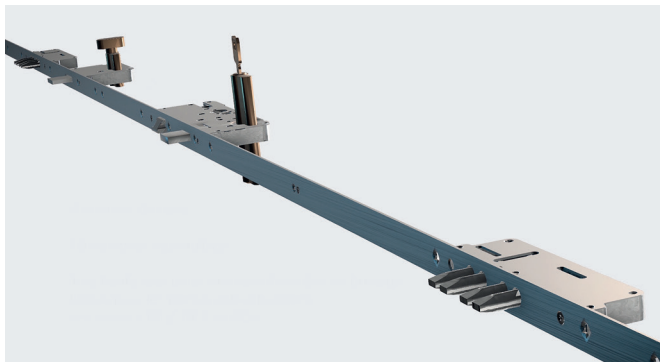
The secondary lock is located in the upper part of a leaf, with three pins with a diameter of 12 mm.



The main lock is located in the central part of a leaf, with three pins with a diameter of 12 mm.

## ROTO QB SLAT LOCK — PREMIUM COMFORT AND SECURITY

The slat lock of the renowned German company ROTO consists of two 4-pin locks (each pin with the diameter of 12 mm) and a central lock with a solid bar. One key movement ejects as many as 9 pins in all three locks. This ensures excellent tightness and a very high level of safety. The Roto QB lock is additionally equipped with a unique two-stage clamping mechanism. (View animation in the website.) As an option, an additional top lock can be ordered.



SLAT LOCK: SCAN AND VIEW THE ANIMATION.



**LOCKS AVAILABLE IN STANDARDS:**  
Optimal, Nordic, Arctic, Passive

## FUHR AUTOMATIC LOCK — FULL LOCKING OF A LEAF EVERY TIME WITHOUT TURNING THE KEY

With conventional slat locks, the leaf is fully locked (all bolts out) by turning the key or knob in the cylinder. The leaf is then locked in the upper, central and lower zones and is properly pressed against the door frame. This ensures a fully sealed door and high thermal insulation. This also prevents thermal deformation of the leaf.

In the case of the automatic lock, every time the door is shut, it automatically locks at all points without the need for using a key. The automatic lock has special magnets that pull out all the bolts when the leaf is closed. To open the door, simply press the handle or turn the key.

The automatic lock made by the German company FUHR has two clamping elements in the upper and lower zones, i.e. a hook and a bolt. This ensures the highest level of security.



**LOCKS AVAILABLE IN STANDARDS:**  
Arctic Alu, Passive Alu

# Smart Solutions

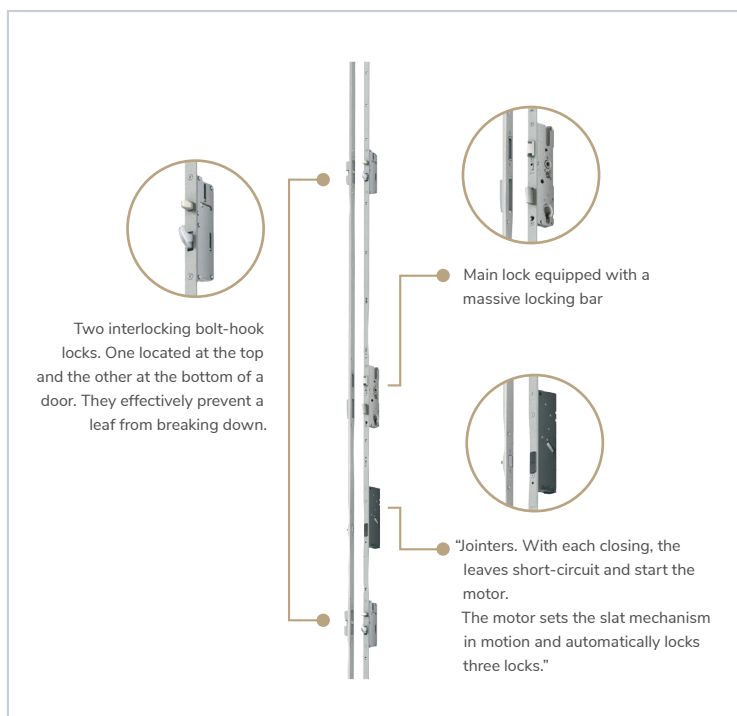
## ELECTROMOTIVE SLAT LOCK

The elektromotive slat lock is set in motion by an electric motor. The motor is integrated into the lock slat. Doors with automatic locks are only available with a grab hand-rail on the outside and a handle on the inside. Each time a leaf is closed, it activates the motor and causes automatic locking. No need to lock the door with a key.

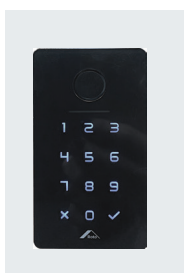
The door may be opened in several ways:

- ✓ From the inside, each press on the handle automatically opens the door
- ✓ From the outside, the door can be opened using a fingerprint reader, code keypad or remotely using a smartphone
- ✓ You can always open the door mechanically with a key — even when the power is out

Elektromotive slat lock is available for ARKTIC and PASSIVE standards



## "PHONE & CODE" CODE KEYPAD WITH FINGERPRINT READER



- The set includes:
- ✓ numeric keypad with a fingerprint reader
  - ✓ Roto Eneo CC lock
  - ✓ power supply unit to plug into the electrical switchboard
  - ✓ programming manual

The "PHONE & CODE" code keypad system with fingerprint reader allows you to open a door in three ways:

- ✓ after inputting a 4–8 digit code with the use of the keypad
- ✓ fingerprint
- ✓ smartphone via Bluetooth system

An app makes it possible to manage access to the building. Among other things, it is possible to send an access code for a person to be allowed to open the door once or periodically.

## "BIOKEY" FINGERPRINT READER SYSTEM



- The set includes:
- ✓ fingerprint reader
  - ✓ Roto Eneo CC lock
  - ✓ power supply unit to plug into the electrical switchboard
  - ✓ programming manual

The process of opening a door is executed by scanning a fingerprint. Programming additional users is very simple — it is approved with administrator's fingerprint (Masterfinger).

The fingerprint reader is certified with the highest security against tampering. It also supports children's fingerprints. It is fully weatherproof. It features heating system, ensuring operation even in extreme conditions. LED backlight makes it easier to identify the sensor when it is dark.

## DAY/NIGHT BUTTON (OPTIONAL)



The button is located on the inside of a door. In active (day) mode, it glows red. In inactive mode (night) it remains off. In a situation where exterior door is to be used extensively, such as when having guests, it is possible to switch the button to the "day" position. Then, you can freely open the door from the outside — just tug the grab hand-rail. In order to restore automatic locking, switch the "day" option on — button should remain off.

### NOTE

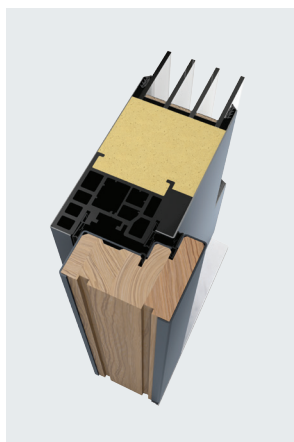
An electric door strike is required for the day/night button to work, but it does not require power.

# Two Frame Variants — Which One to Choose?

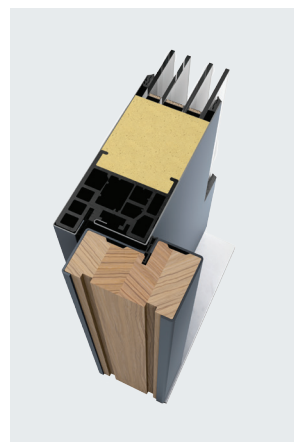
MARTOM has developed and patented two proprietary insulating frame variants — a metal/wooden (MET/DREW) hybrid frame and an aluminum (ALU) frame. All MET/DREW and ALU frames are as wide as 90 mm and are among the widest on the market. This is one of the reasons for the excellent insulating properties of MARTOM doors.

## MET/DREW FRAME HAS BEEN A HIT FOR YEARS

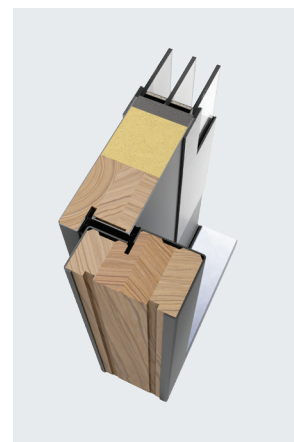
The glued wooden core provides excellent thermal insulation and rigidity to the frame. The wood is protected against weather conditions by a cladding of galvanized sheet metal, veneered identically to the leaf, with a thickness of as much as 1.2 mm. The thick steel section provides rigidity and strength. The MET/DREW frame combines the advantages of galvanized steel, veneer and wood, while eliminating their disadvantages.



Passive Met/Drew frame



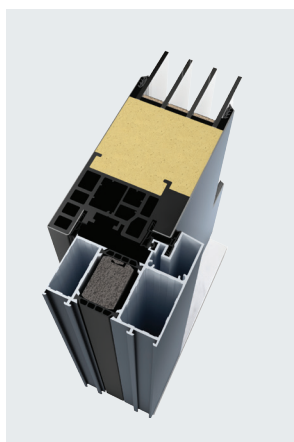
Arctic Met/Drew frame



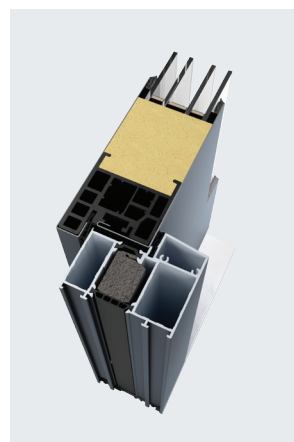
Nordic Met/Drew frame

## ALUMINUM FRAME

Aluminum as a construction material has a number of advantages: it is lightweight, weather-proof, rigid and durable. Excellent thermal transmittance compared to other solutions has been achieved thanks to the profile width of as much as 90 mm. This allowed for the use of extra-wide thermal inserts. An additional thermal insert made of XPS was introduced into the so-called "warm chamber" in the profile. MARTOM's ALU frames have a simple, modern shape. They are veneered identically to door leaves.



Passive Alu



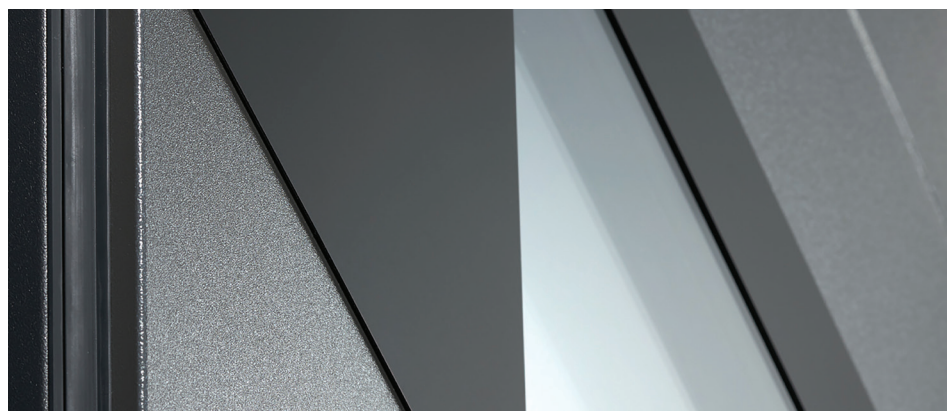
Arctic Alu

ALUMINUM FRAME.  
SCAN AND VIEW THE  
ANIMATION.



## COMPARISON OF MET/DREW AND ALU FRAMES

Technically, MET/DREW and ALU frames are very similar. Mechanical properties such as strength, stiffness and durability are comparable. The MET/DREW frame features a slightly better thermal insulation coefficient, while the ALU frame is lighter. Thus, no solution has a significant technical advantage. Both frame types will function perfectly for many years. Therefore, the decision may be determined by cost considerations, aesthetics or the Customer's personal attitude toward a particular type of material. Aluminum frames are recommended for doors with side-lights. The side-lights also have aluminum frames, so this, in turn, allows for a systematic way of connecting them.

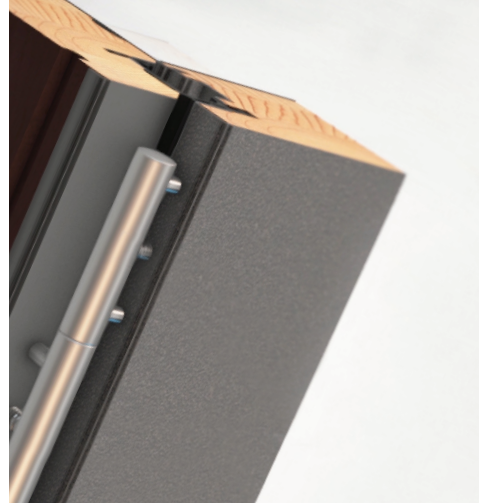


# 3D Hinges — full adjustment in three directions

MARTOM's single 3D hinge carries loads of up to 80 kg. Three hinges per leaf eliminate the "sagging" problem. The 3D hinges can be adjusted in three planes — thus moving the leaf to the right or left, up, down, and to press or pull it away from the frame. This makes it easy to effectively eliminate any leaks. The sleek modern design of hinges makes them a real highlight of any MARTOM door.



Adjustment Mechanism



Aluminum covers cater for an elegant, slim shape. And are also available in black.

3D HINGES:  
SCAN AND VIEW THE  
ANIMATION.



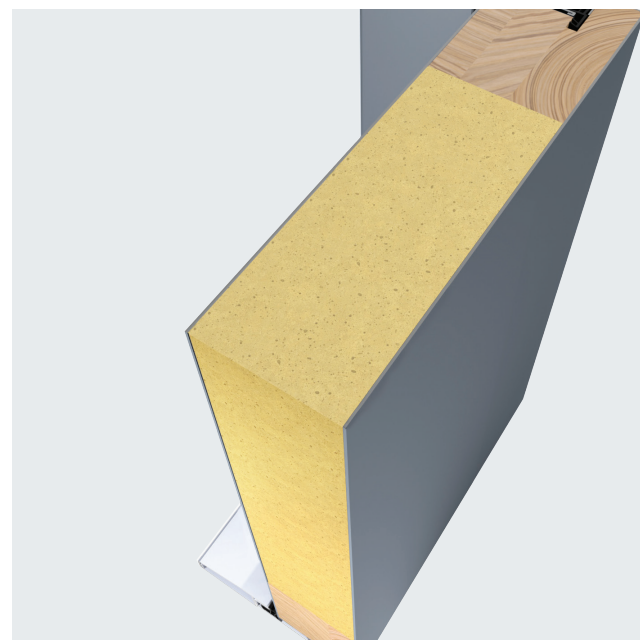
# Leaf Sheathing

The leaf sheathing is made of galvanized steel sheet covered with a special laminate identical to that used in PVC windows or garage doors. The laminate is very durable, scratch and UV resistant. There is no maintenance required. The special coating makes a door very easy to clean with the simplest means. Thick rigid sheet metal combined with PUR foam provides dent resistance.

# PUR Foam Filling

PUR foam filling is made using injection molding technology. Excellent adhesion of the foam to the leaf sheathing and to the glazing package guarantees exceptional rigidity of the structure. PUR foam provides a very high level of thermal insulation

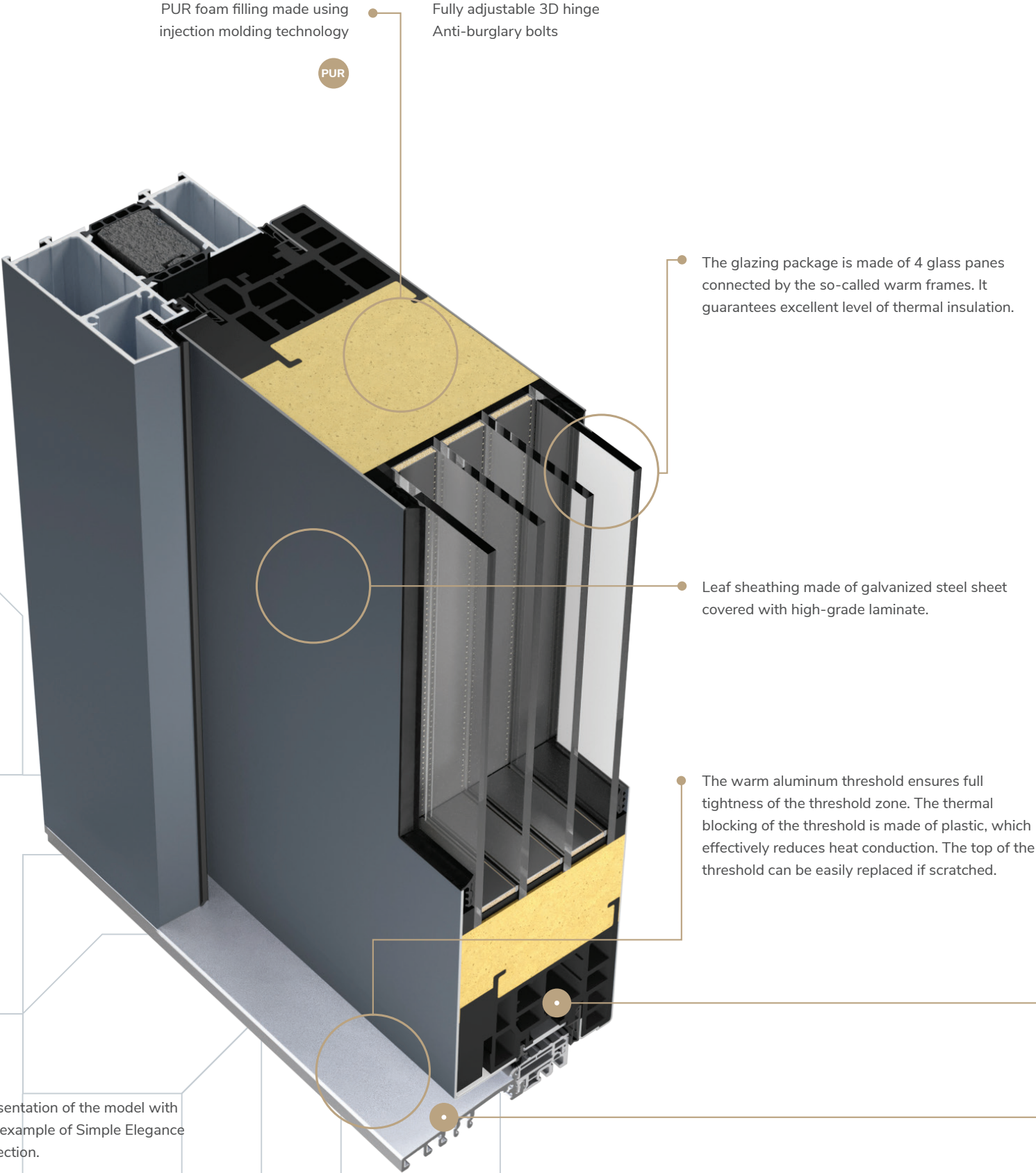
PUR FOAM: SCAN AND VIEW  
THE ANIMATION



# Passive Standard — for the most demanding

**DOOR WITH A LEAF THICKNESS OF 90 MM**

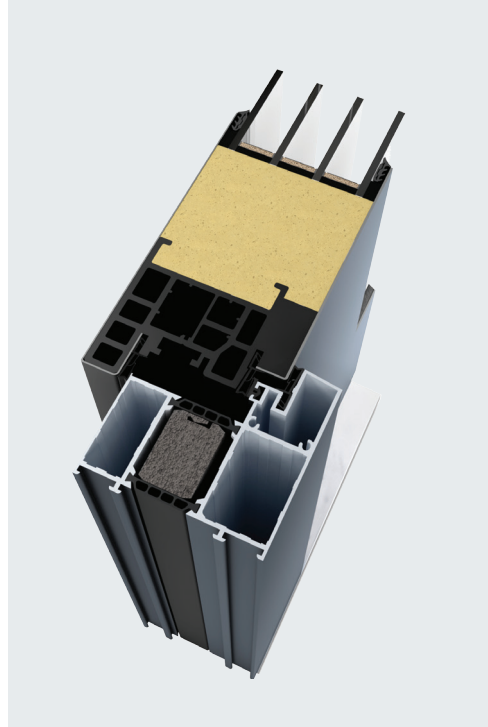
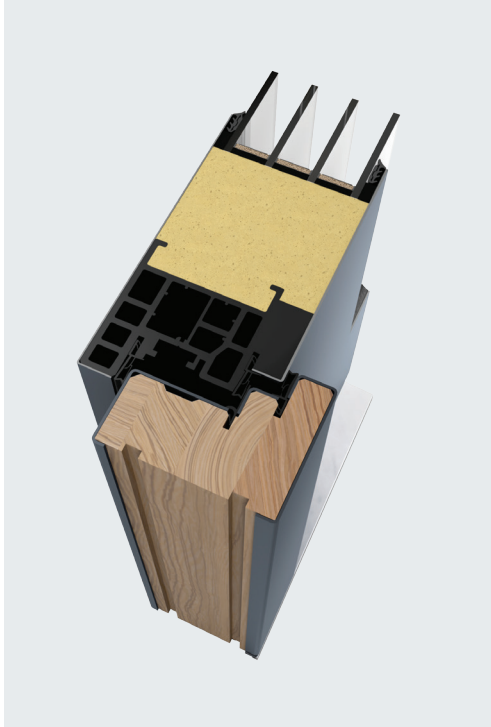
The 90 Passive doors have conquered the Premium Plus segment. They meet and even clearly exceed the extremely stringent requirements for passive houses. In terms of technical parameters, they are of the highest quality.



**HEAT TRANSFER COEFFICIENT FOR PASSIVE DOOR**

	Met/drew frame	Aluminum frame
Solid door	<b>od 0,61 W/m²K</b>	<b>od 0,67 W/m²K</b>
Glazed door	<b>od 0,7 W/m²K</b>	<b>od 0,78 W/m²K</b>

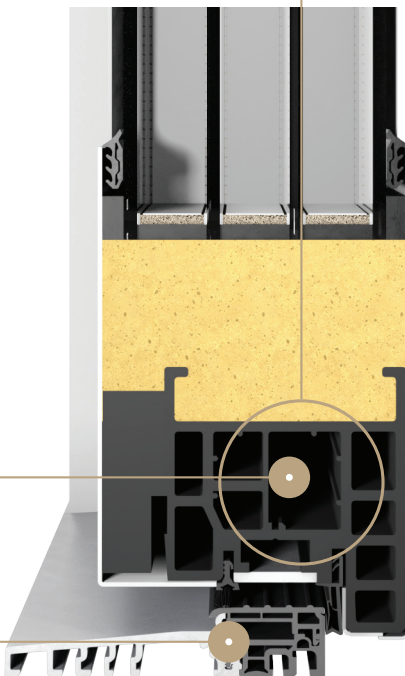
\* Ud coefficients pertain to reference dimensions



Two frame variants are available for Passive door — ALU aluminum frame and MET/DREW metal and wood frame.

Passive door frames have two gaskets. Another two are located in the leaf. The quadruple sealing system provides Passive door with exceptional insulation performance.

The leaf frame is made of a new-generation plastic — fiberglass-reinforced ABS. It guarantees that the rigidity of the leaf is maintained, and thus the door is fully sealed in all weather conditions. The lightweight design prevents the leaf from sagging and ensures smooth operation of locks. The multi-chamber profile improves thermal insulation. The manufacturer reserves the right to use wood frame interchangeably.



**LOCKS AVAILABLE FOR PASSIVE STANDARD**



ROTO QB slat lock  
(3 locks)



FUHR automatic  
slat lock

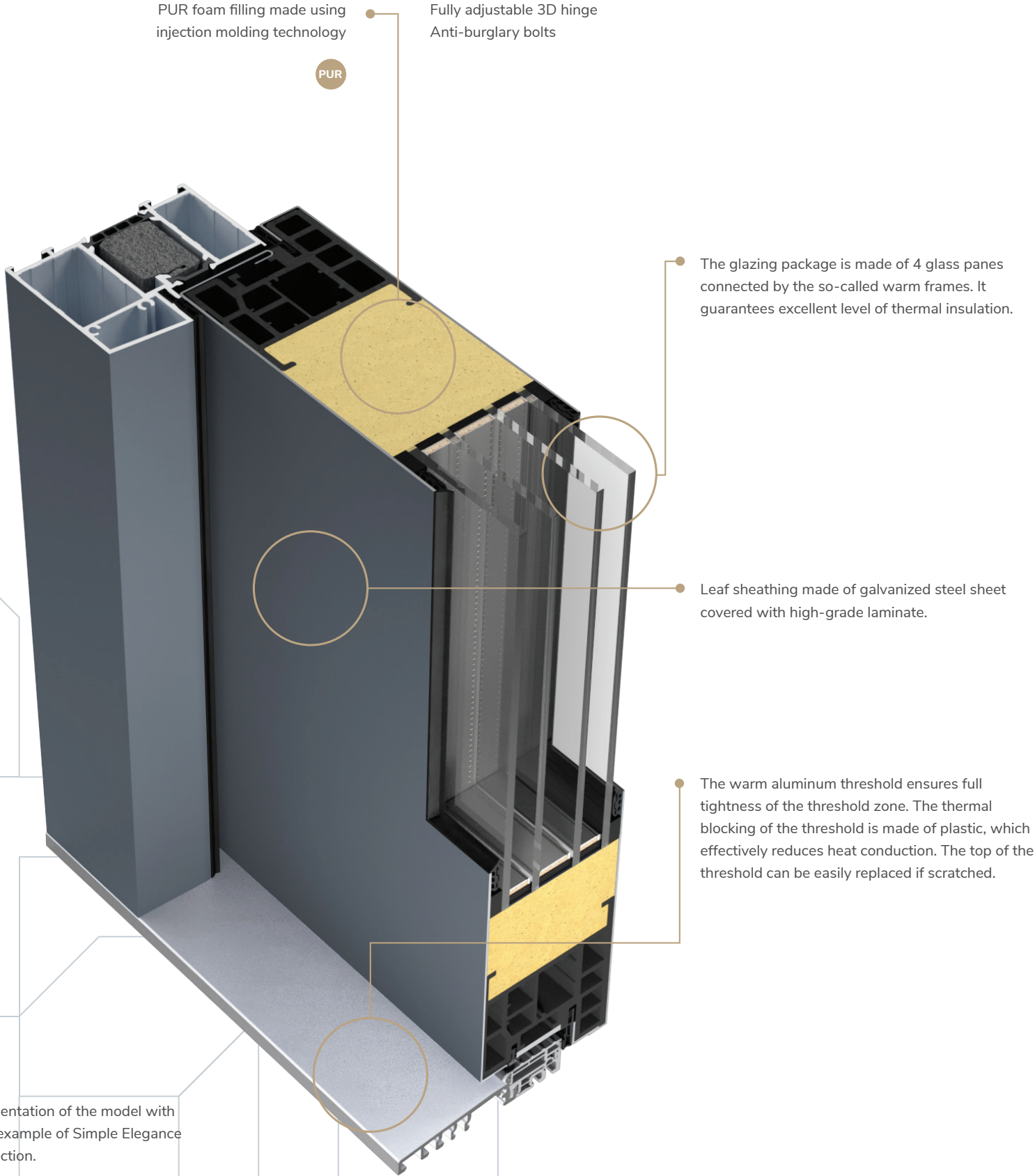


ENEO elektromotive  
slat lock

# Arktic standard — a hit in the premium segment

**DOORS WITH A LEAF THICKNESS OF 72 MM**

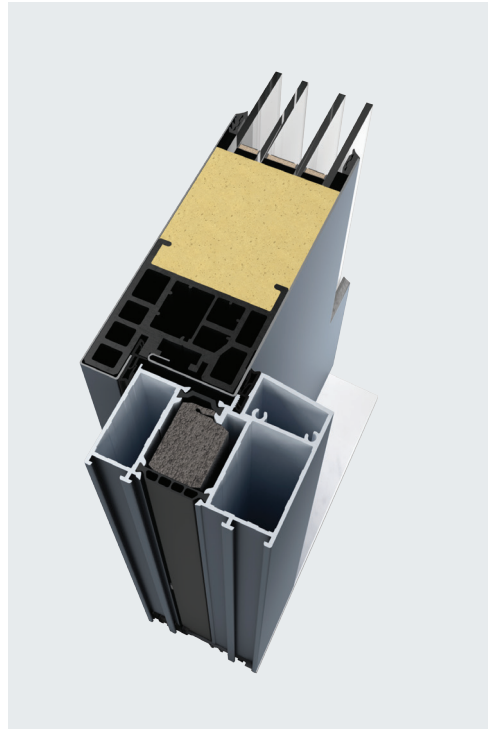
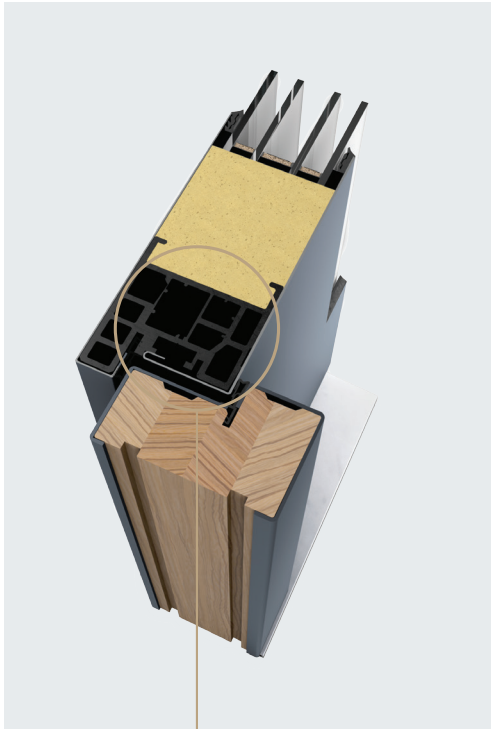
Standard 72 Arktic is a premium segment door dedicated to energy-efficient houses. These are the products most often chosen by Customers building houses. The reason for their popularity is their excellent value for money.



## HEAT TRANSFER COEFFICIENT FOR ARKTIC DOOR

	Met/drew frame	Aluminum frame
Solid door	od 0,82 W/m <sup>2</sup> K	od 0,83 W/m <sup>2</sup> K
Glazed door	od 0,96 W/m <sup>2</sup> K	od 0,97 W/m <sup>2</sup> K

\* Ud coefficients pertain to reference dimensions



Two frame variants are available for Arctic door — ALU aluminum frame and MET/DREW metal and wood frame.

Arctic frames are made with a four-sided rebate system, which translates into excellent tightness.

The leaf frame is made of a new-generation plastic — fiberglass-reinforced ABS. It guarantees that the rigidity of the leaf is maintained, and thus the door is fully sealed in all weather conditions. The lightweight design prevents the leaf from sagging, thus ensuring smooth operation of locks. The multi-chamber profile improves thermal insulation. For a door with two standard locks, a glued wood frame is used.

## LOCKS AVAILABLE FOR ARKTIC STANDARD



Standard: two 3-bolt locks



ROTO QB slat lock (3 locks)



ROTO QB slat lock (4 locks)



FUHR automatic slat lock

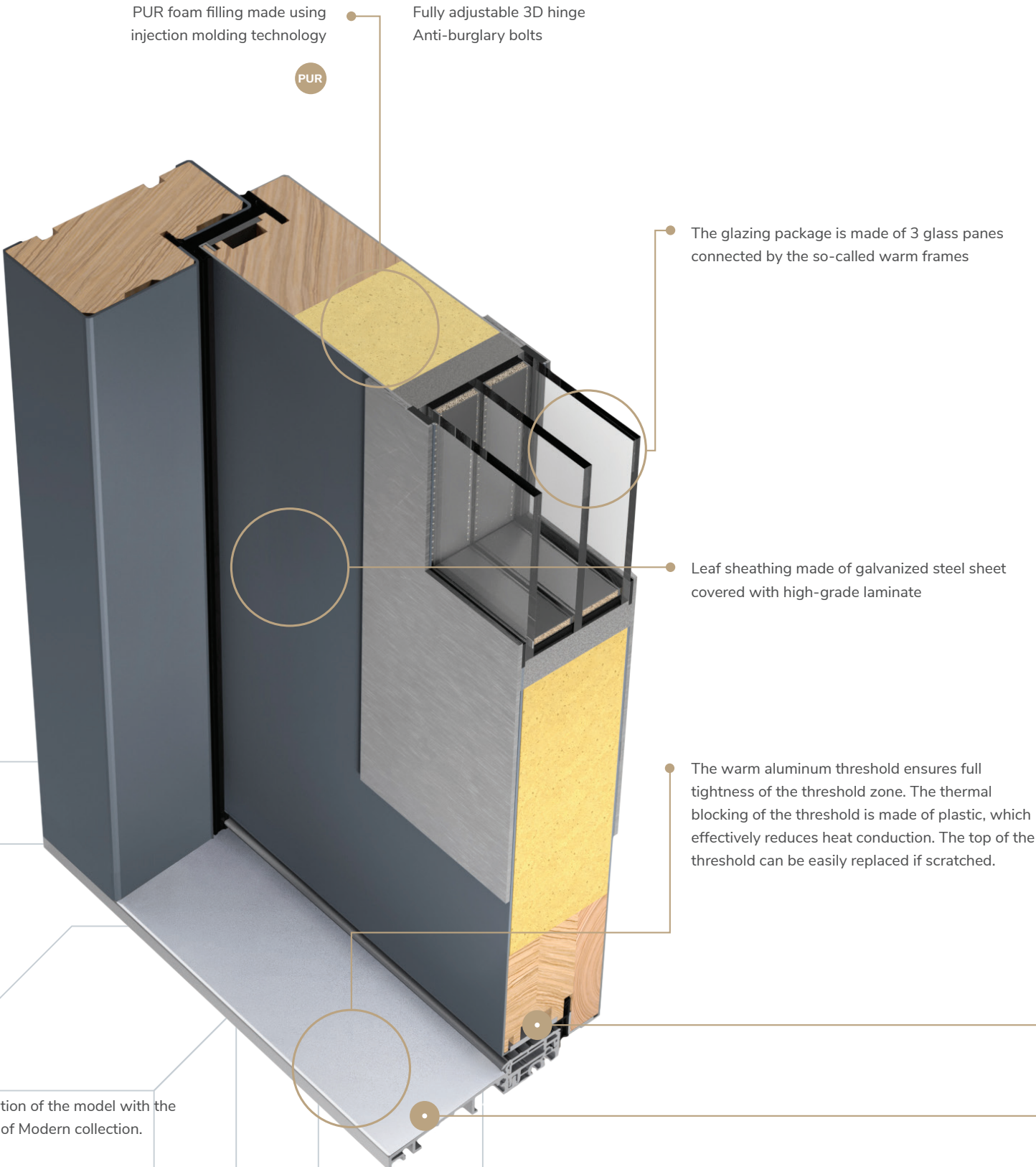


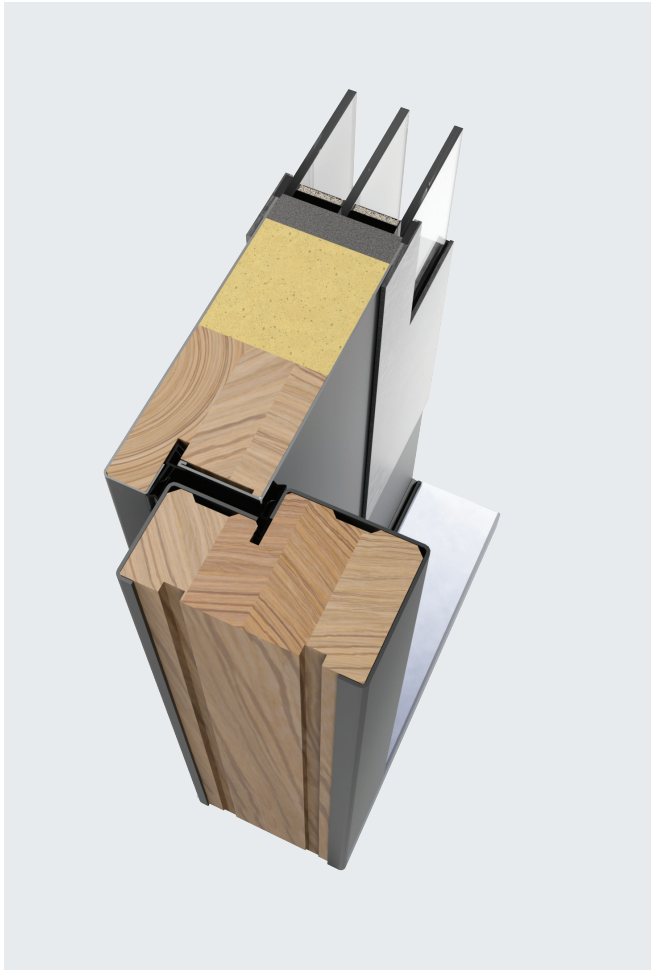
ENEQ elektromotive slat lock

# Nordic standard — robust and economical

**DOOR WITH A LEAF THICKNESS OF 55 MM**

The 55 Nordic standard is a medium segment door dedicated to houses with high and normal energy standards. It meets the insulation requirements for an exterior door and, in the case of non-glazed models, also for energy-efficient houses. The Nordic standard is an economical alternative to the Arctic door.





**HEAT TRANSFER COEFFICIENT FOR NORDIC DOOR**

	Met/drew frame
Solid door	<b>od 0,83 W/m²K</b>
Glazed door	<b>od 1,1 W/m²K</b>

\* Ud coefficients pertain to reference dimensions

MET/DREW metal and wood frame is available for Nordic doors.

Leaf frame — made of glued wood, which prevents deformation



**LOCKS AVAILABLE FOR NORDIC STANDARD**



Standard: two  
3-bolt locks



ROTO QB slat lock  
(3 locks)



ROTO QB slat lock  
(4 locks)

# Optimal standard with slat lock

## DOOR WITH A LEAF THICKNESS OF 55 MM

The door recommended in cases where thermal insulation is not of great importance. All solid models meet the standards for new houses, but the fact of having a steel (cold) frame means that for new houses, this solution may not provide full satisfaction. They can work well for renovated buildings with low thermal standards, but are especially recommended for unheated or poorly heated spaces, such as garages, boiler rooms and technical rooms. Slat lock increases security level.

## HEAT TRANSFER COEFFICIENT FOR OPTIMAL DOOR

	Steel frame
Solid door	<b>od 1,2 W/m<sup>2</sup>K</b>
Glazed door	<b>od 1,4 W/m<sup>2</sup>K</b>

\* Ud coefficients pertain to reference dimensions

Leaf frame — made of glued wood, which prevents deformation

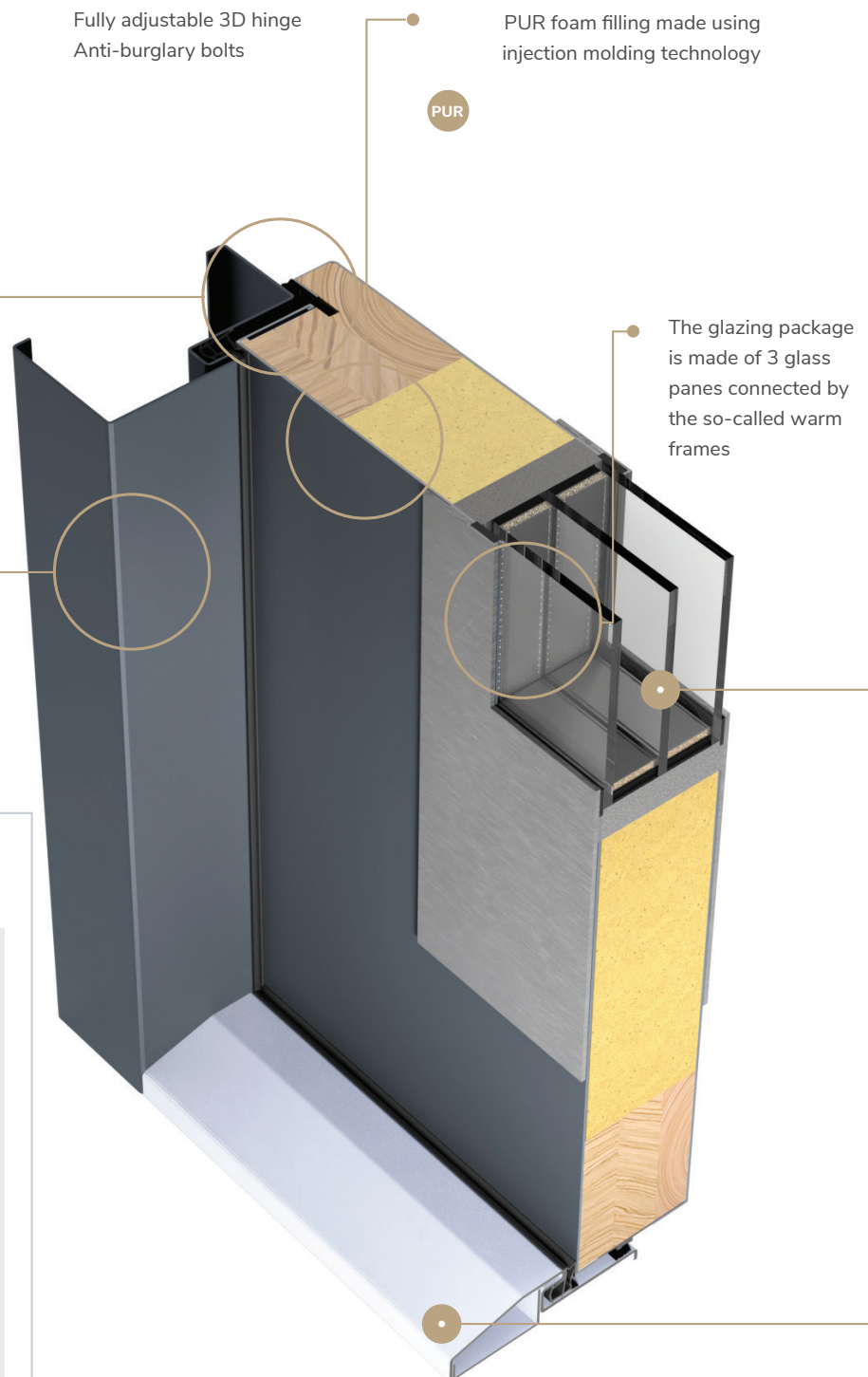
Leaf sheathing made of galvanized steel sheet covered with high-grade laminate

Fully adjustable 3D hinge  
Anti-burglary bolts

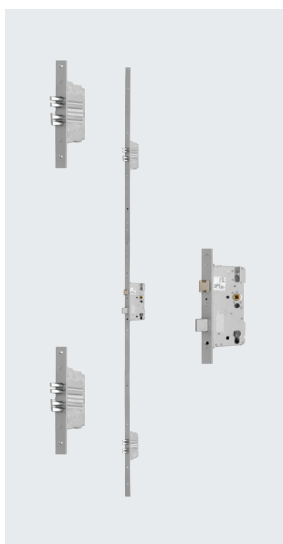
PUR foam filling made using injection molding technology

PUR

The glazing package is made of 3 glass panes connected by the so-called warm frames



## AVAILABLE WITH A LOCK:



ROTO QB slat lock  
(3 locks)



ROTO QB slat lock  
(4 locks)

Presentation of the model with the example of Modern collection.

# Optimal standard with two locks

## DOOR WITH A LEAF THICKNESS OF 55 MM

The door recommended primarily for unheated and poorly heated rooms such as garages, boiler rooms or technical rooms. Choosing a house entry door and an additional door from one manufacturer guarantees identical colors — different manufacturers use veneers from different suppliers. Doors in Optimal standard have very advantageous prices and stand out in their product category for their robustness and durability.

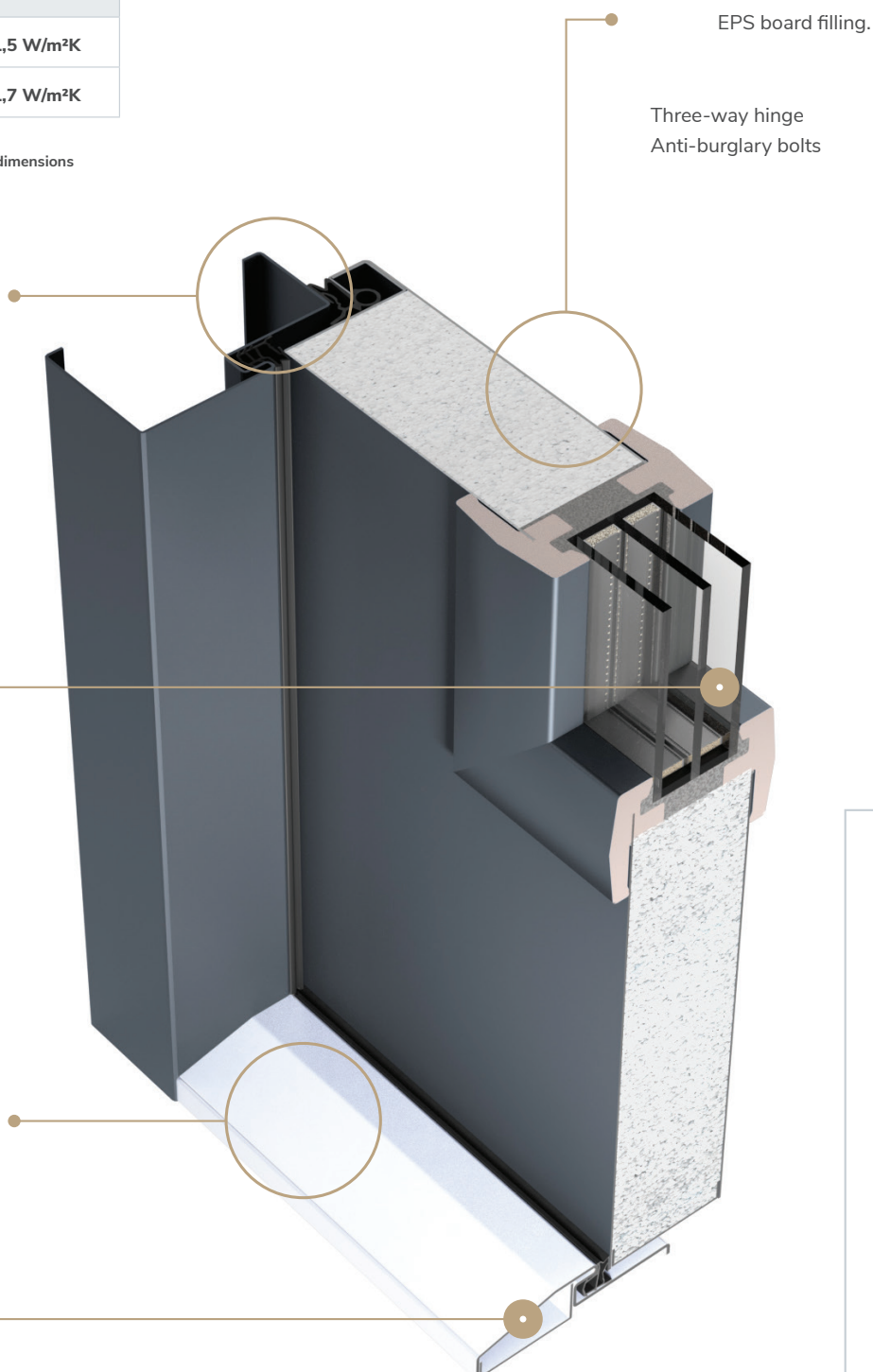
## HEAT TRANSFER COEFFICIENT FOR OPTIMAL DOOR

	Steel frame
Solid door	<b>od 1,5 W/m<sup>2</sup>K</b>
Glazed door	<b>od 1,7 W/m<sup>2</sup>K</b>

\* Ud coefficients pertain to reference dimensions

Galvanized steel frame with a thickness of 1.2 mm veneered identically to the leaf. During installation, the frame should be filled with PUR insulation foam. Available in three shapes.

Steel threshold with trouble-free replacement in case of damage.



## AVAILABLE WITH A LOCK:



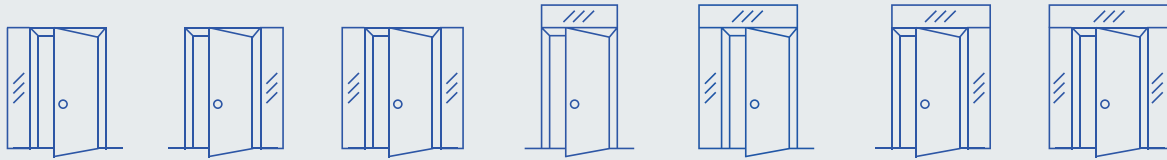
Standard: two  
3-bolt locks

Presentation of the model with the example of Traditional collection.

# Doors with side-lights

All models of MARTOM doors can be made with side-lights. The catalog presents sample models from various collections, and all others can be viewed using the configurator at [www.drzwimartom.pl](http://www.drzwimartom.pl)

## AVAILABLE DOOR LAYOUTS WITH SIDE-LIGHTS



## MARTOM offers side-lights in two manufacturing standards



### FULLPERS STANDARD ALUMINUM SIDE-LIGHT

The frame of Alu 90 side-light is made of a multi-chamber aluminum profile as wide as 90 mm with a thermal spacer. Such a large profile width is a rarity on the market. As a result, MARTOM side-lights provide exceptional insulation and rigidity. It is a Premium Plus product.

info

Standard aluminum side-lights are available up to 70 cm in size.



### DIAMOND STANDARD ALUMINUM SIDE-LIGHT

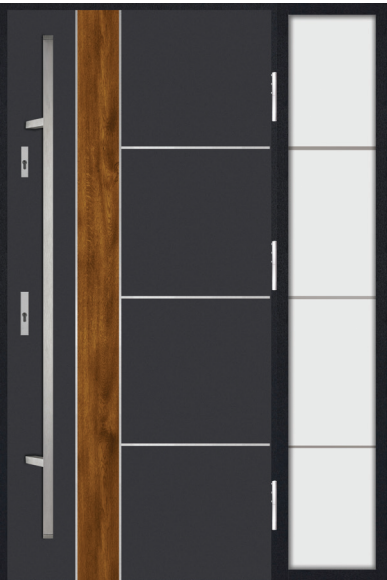
The frame of the Alu 90 side-light is screened from the outside with a 4 mm thick glass pane with ground edges and a lacquered fringe. By covering the frames, the side-light looks as if it is made entirely of glass. The appearance of the Diamond side-light from the inside is identical to the standard side-light.

info

Diamond side-lights are available only as side-lights up to 50 cm in size.

Diamond side-lights are available only with aluminum-framed doors and outward-opening doors.

DOORS WITH SIDE-LIGHTS ARE VERY POPULAR AMONG OUR CUSTOMERS. CONFIGURE YOUR DOOR WITH SIDE-LIGHTS USING THE CONFIGURATOR.





# Future Fullpers Collection

Playing with form, three-dimensionality, innovative solutions of grab hand-rails, uniqueness — these are the attributes of the Future collection. MARTOM has developed proprietary technology to create unique solutions. A collection dedicated to modern, minimalist architecture.

# Doors in Future collection

		TYPE OF LOCK				
HEAT STANDARD	FRAME					
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



GV 108/71



GV 110



GV 106/70



01

#### EXTERNAL SIDE

There is an elongated slot in the leaf that creates a concealed grab hand-rail. This allows for achieving a very modern and minimalist design effect. The need to install such elements as grab hand-rails or handles is eliminated.



02

#### EXTERNAL SIDE

The connection of individual elements of the leaf sheathing is perfectly flush thanks to MARTOM's proprietary technology.



03

#### SPECIAL MATERIAL

The element of the concealed grab hand-rail, which will be grasped by hand when opening the door, must be resistant to wiping. It is covered with a special veneer that has an additional, highly durable coating. Two colors are available — black and stainless steel.



**PLAYING WITH LIGHT**

On the inside of the door, there is a narrow, elongated glazing. From the outside, the glazing is invisible, as it is covered by a concealed grab hand-rail panel. This solution allows to achieve a very interesting lighting effect. When it is dark outside and the room is illuminated, the slit of the concealed grab hand-rail lets the light through in the form of a vertical glow. This allows to illuminate the entrance to the house in an original way.

Outside view

Inside view



GV 106/70



GV 107/70



GV 106/70



GV 106/70

Outside view



Inside view



GV 108/71

01

#### EXTERNAL SIDE

The glazing surface is off-set against the leaf surface. This creates a concealed grab hand-rail that allows you to open the door.

02

#### SPECIAL MATERIAL

The element of the concealed grab hand-rail, which will be grasped by hand when opening the door, must be resistant to wiping. It is covered with a special veneer that has an additional, highly durable coating. Two colors are available — black and stainless steel.





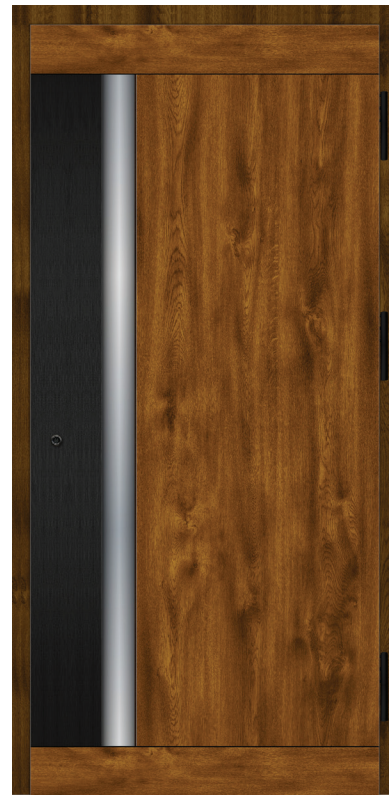
GV 108/71



GV 109/71



GV 109/71

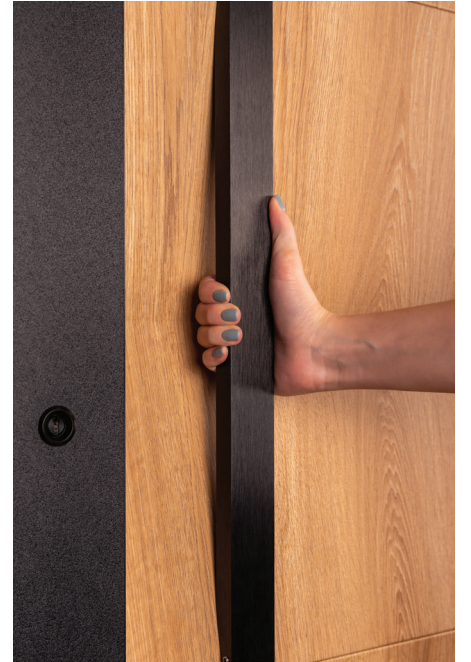


GV 108/71

Outsid view

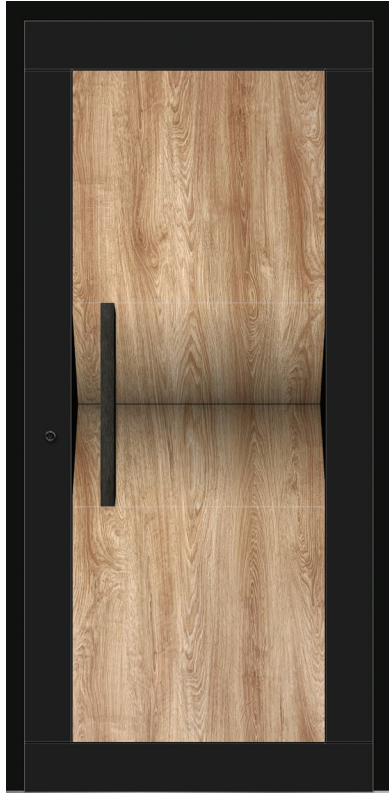


Inside view

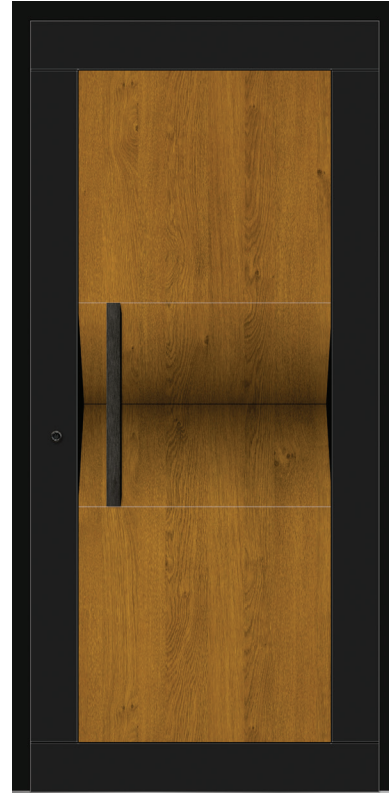


GV 110

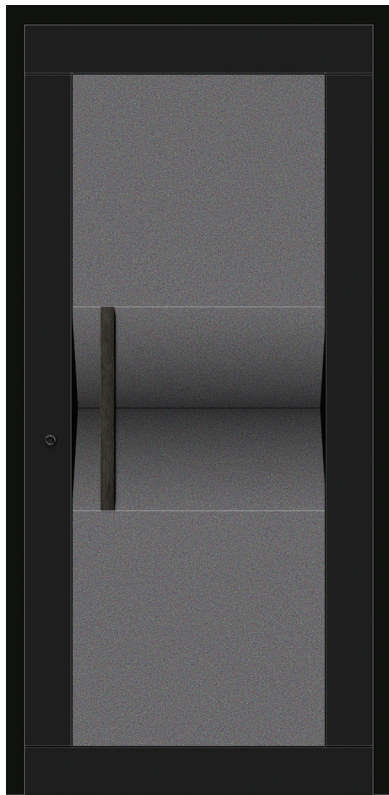




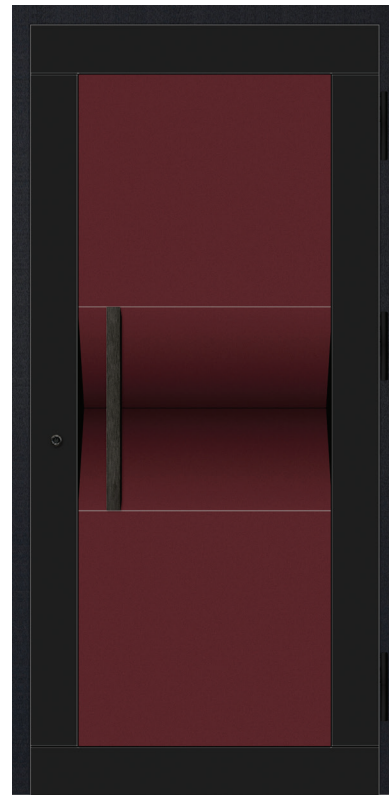
GV 110



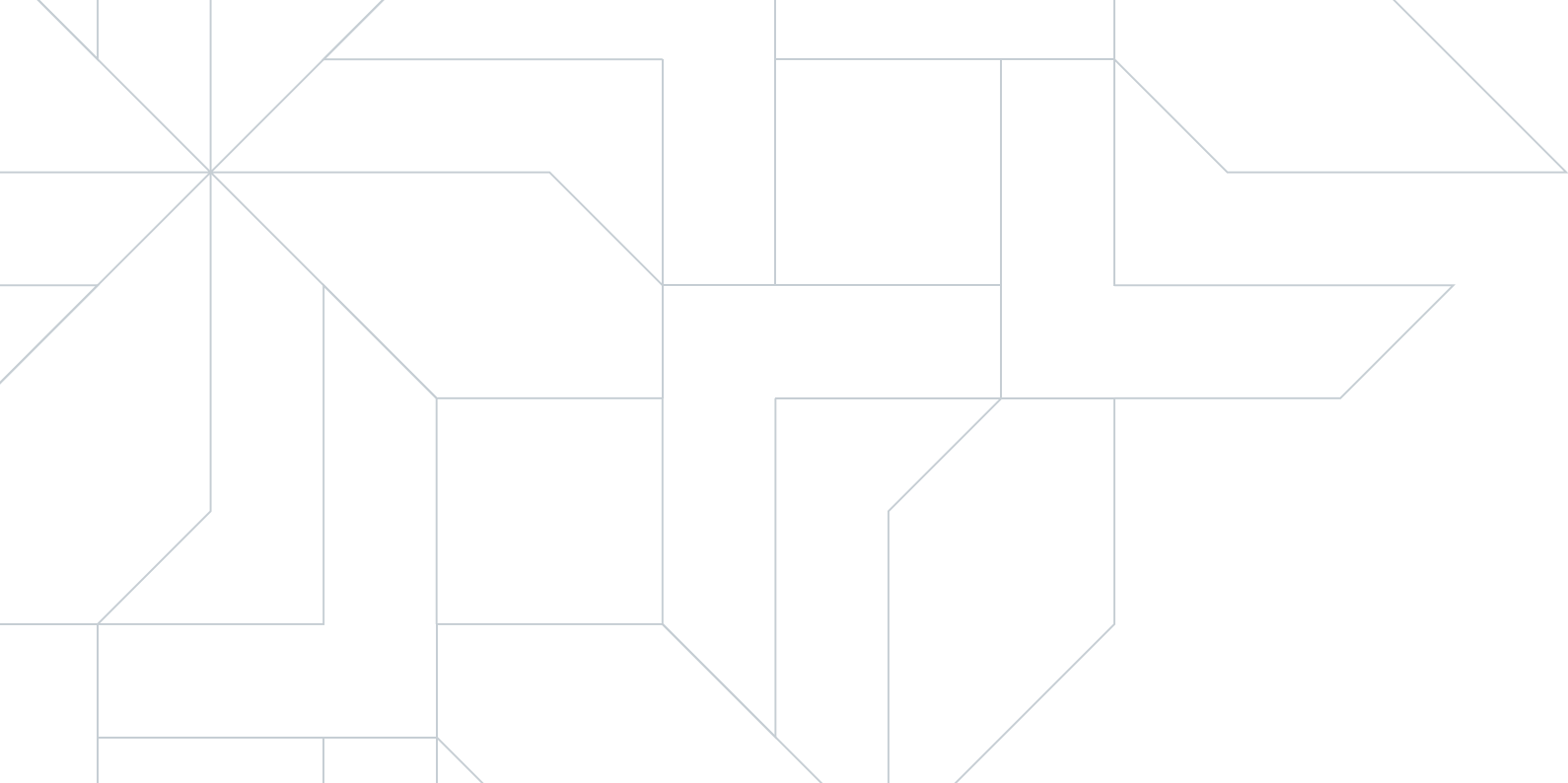
GV 110



GV 110



GV 110



# Smooth Collection

The leaf of Smooth models looks as if it is made of several pieces of wood forming the frame and filling. It connects to the construction of traditional wooden doors. The glass of the glazing has lacquered fringe. All elements are flush, that is, their surface is in the same plane. Within the leaf, individual structural elements are visible, while at the same time it is smooth — hence the name: Smooth. It is a design inspired by traditional styling with a modern twist.

MARTOM HAS DEVELOPED AND PATENTED PROPRIETARY TECHNOLOGY TO CREATE THE LEAF. THE SURFACE IS MADE OF SEVERAL ELEMENTS THAT MAKE UP THE FRAME AND THE LEAF FILLING. IN ADDITION, A GLAZING OF LACQUERED GLASS CAN BE USED. ALL ELEMENTS ARE FLUSH, THAT IS, THE SURFACE OF THE LEAF IS SMOOTH.



01

#### EXTERNAL SIDE

Around the leaf are four beams that form the leaf frame. In the case of wood veneers, the grain direction on top and bottom elements is perpendicular to the grain direction on vertical beams and on the leaf filling, which emphasizes the design intent.

The color of the leaf frame elements and the filling can be the same, or varying, which gives additional design possibilities.



02

#### EXTERNAL SIDE

The last panel of the glazing package is made of glass, which has a lacquered black fringe. In addition, the glazing can have different options, such as one-way mirror, reflection in black, graphite or brown, etc.

The surface of the glass is perfectly flush with the leaf filling.



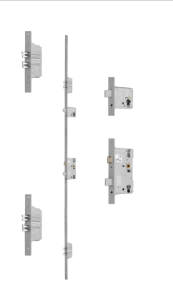




03

#### INTERNAL SIDE

On the inside, the leaf filling has a uniform, flat surface, and the glazing package is finished with a black anodized aluminum frame. The frame is glued to the surface of the leaf.

# Smooth collection door with single glazing

		TYPE OF LOCK				
HEAT STANDARD	FRAME					
		two standard locks	ROTO QB slot lock (3 locks)	ROTO QB slot lock (4 locks)	FUHR automatic slot lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•

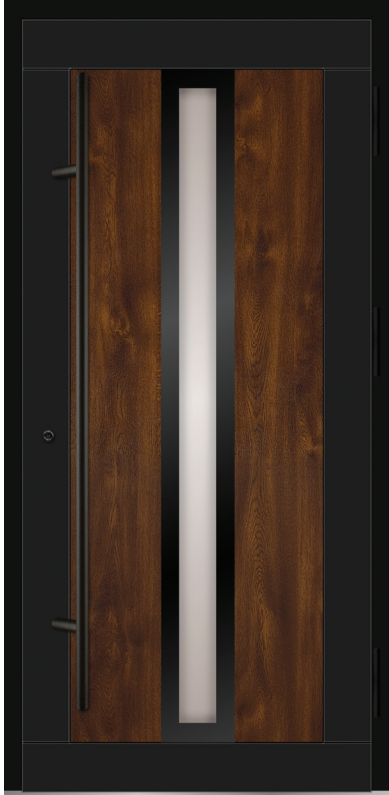
Outside view



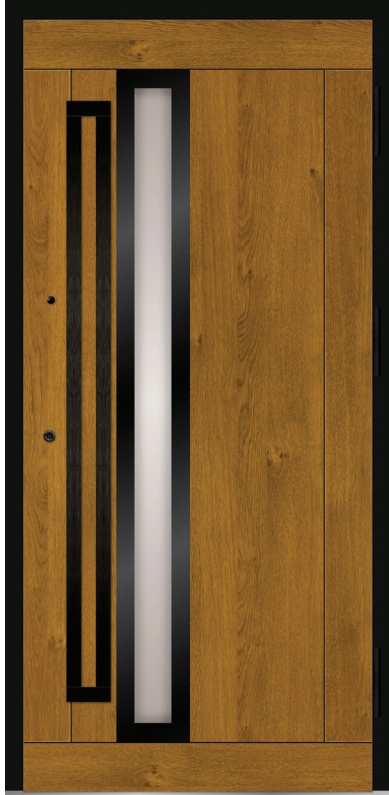
Inside view



GX 103/68



GX 103/68



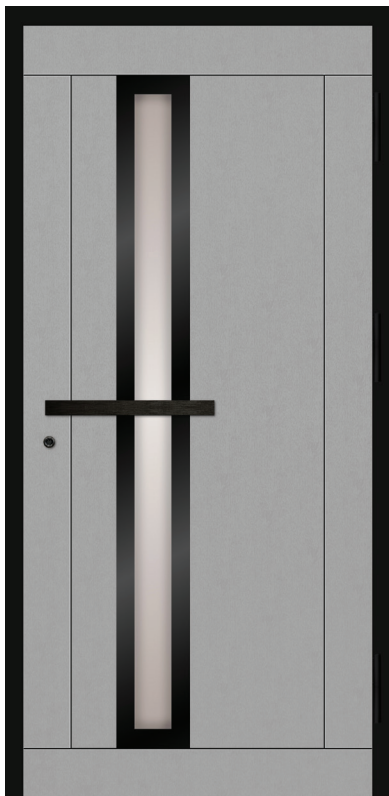
GX 102/68



GX 104/68



GX 103/68








GX 102/68

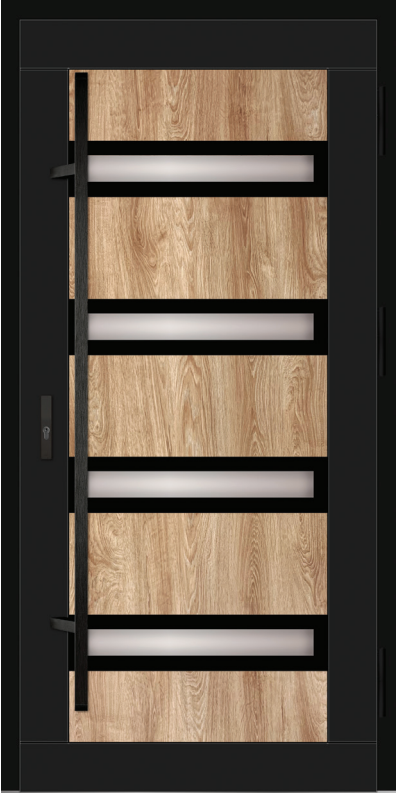


GX 104/68

# Smooth collection door with quadruple glazing

		TYPE OF LOCK				
HEAT STANDARD	FRAME					
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•

Outside view



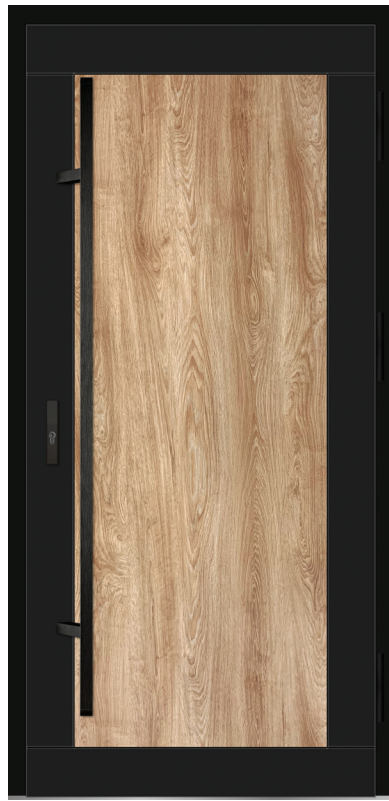
Inside view



GX 105/69



GV 101



GV 101



GV 101

## Smooth collection door without glazing

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEQ CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



# Diamond Fullpers Collection

A characteristic decorative element in Diamond collection is lacquered glass with polished edges, placed on the surface of the leaf. The sparkle of reflected light makes Diamond application a real "jewelry piece" for the door, giving it a luxurious touch. The achieved effect is eye-catching, but at the same time it is devoid of pretentiousness. Doors from Diamond collection will add up a touch of beauty to façades of modern, minimalist, industrial and vintage houses. They will blend perfectly with stone, ceramic, glass or raw concrete cladding.

THE GLASS APPLICATIONS IN DIAMOND DOOR COLLECTION AND DIAMOND SIDE-LIGHTS ARE MADE WITH THE USE OF THE SAME TECHNOLOGY AND, THEREFORE, MATCH PERFECTLY.



01

#### EXTERNAL SIDE

Glass panel, 4 mm thick, with polished edges and lacquered fringe. It is the finishing touch to the glazing package, and is attached to the surface of the leaf.




02

#### INTERNAL SIDE

On the inside of the leaf, the glazing package is finished with a black anodized aluminum frame.



# Doors from Diamond collection with single glazing

HEAT STANDARD	FRAME	TYPE OF LOCK				
		 two standard locks	 ROTO QB slat lock (3 locks)	 ROTO QB slat lock (4 locks)	 FUHR automatic slat lock	 ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



LS 17/17  CUSTOMIZED



KS 17/17  CUSTOMIZED



GS 17/17  CUSTOMIZED

Outside view

Inside view



HIT



1LS 97/64 | CUSTOMIZED



GS 97/64 | CUSTOMIZED

Outside view



GS 87/63 | CUSTOMIZED

Inside view

HIT



info

The photo shows Fullpers Diamond side-light with the width of 30 cm.



+

Grab hand-rail No. 09 (page 135)



Handle made of brushed aluminum, anodized black.

## One grab hand-rail for several models



GS 90/63 | CUSTOMIZED



1MS 96/63 | CUSTOMIZED



1OS 99/66 | CUSTOMIZED



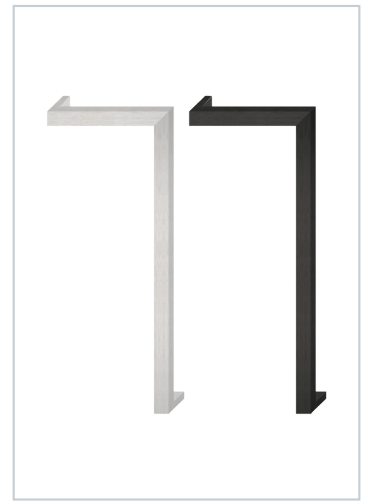
1NS 98/65 | CUSTOMIZED



1IS 88/63 | CUSTOMIZED



GS 88/63 | CUSTOMIZED



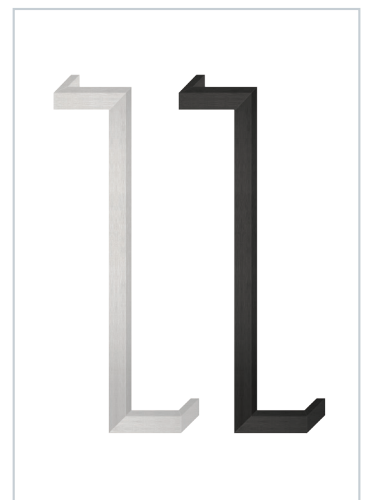
Grab hand-rail No. 10  
(page 135)



GS 90/63 | CUSTOMIZED



GS 90/63 | CUSTOMIZED



Grab hand-rail No. 13  
(page 135)



Outside view



Inside view



Grab hand-rail No. 11  
(page 135)



The photo shows Fullpers Diamond side-light  
with the width of 30 cm.

GS 89/63  CUSTOMIZED



1MS 96/63 | CUSTOMIZED



1JS 89/63 | CUSTOMIZED



1KS 95/63 | CUSTOMIZED



GS 85/61 | CUSTOMIZED



GS 84/60 | CUSTOMIZED

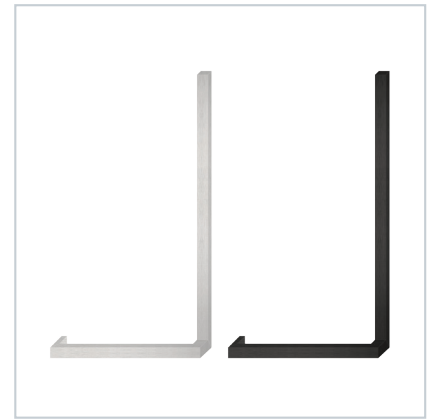


1NS 98/65 | CUSTOMIZED

Outside view



Inside view



Grab hand-rail No. 12  
(page 135)



The photo shows Fullpers Diamond side-  
light with the width of 30 cm.

GS 89/63  CUSTOMIZED

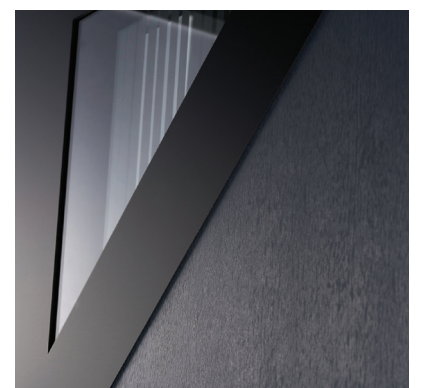


Outside view

Inside view



GS 86/62  CUSTOMIZED





GS 99/66 | CUSTOMIZED



1OS 99/66 | CUSTOMIZED

HIT



+

Grab hand-rail No. 18  
(page 135)



GS 18/17 | CUSTOMIZED




GS 18/17 | CUSTOMIZED



GS 101/65 | CUSTOMIZED

# Doors from Diamond collection with quadruple glazing

HEAT STANDARD	FRAME	TYPE OF LOCK				
		 two standard locks	 ROTO QB slat lock (3 locks)	 ROTO QB slat lock (4 locks)	 FUHR automatic slat lock	 ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



RS 20/18  CUSTOMIZED



GS 20/18  CUSTOMIZED



LS 19/17



KS 19/17



GS 19/17

## Diamond collection door with double color

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



# Classic Fullpers Collection

Doors from Classic Fullpers collection are characterized by elegant geometry, embossed in the form of lines and rectangles with regular division. Thanks to the use of modern technologies, a very interesting combination of tradition and modernity was created, which, in addition to traditional architecture, can be a very interesting design element in modern projects as well. It is worth noting the possibility of using intense color.

THE UNIQUE DESIGN OF FULLPERS CLASSIC COLLECTION WAS CREATED THANKS TO SPECIALLY DESIGNED ALUMINUM TRIM, VENEERED IDENTICALLY TO DOOR LEAVES. IN SELECTED MODELS, SUBTLE EMBOSSING IS AN ADDITIONAL HIGHLIGHT.



01

Solid elements framed with decorative frames (cassettes) are offset against the surface of the leaf identically to the glazing, giving a three-dimensional effect. This perfectly highlights the intended design effect.



02

It is worth noting the aesthetics of the joints of decorative profiles in the corners. Such a precise connection is ensured by dedicated connectors (corners) used to position and fuse the profiles together. The precision composite frame is fully applied to the leaf. It protects against possible "spreading" of frame profiles in corners.



# Doors from Classic collection

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•

## To your liking



1EK 80/57 | CUSTOMIZED

All components in the same color



1EK 80/57 | CUSTOMIZED

Door frame in a different color than the leaf



1EK 80/57 | CUSTOMIZED

Decorative frames in a different color than the leaf color



1EK 80/57 | CUSTOMIZED

Decorative frames and a cassette in a different color than the leaf color  
Door frame in a different color than the leaf

Outside view



Inside view



HIT



1EK 80/57 | CUSTOMIZED

info

The model is also available with a decorative frame on the inside

Outside view



Inside view



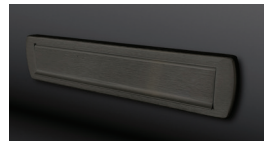
1EK 117/57 | CUSTOMIZED

Outside view



info

The photo shows the Alu 90  
Standard side-lights with the width of 30 cm.



info

Letter drop-in available on individual request.  
More on page with accessories  
(page 134)

1EK 80

CUSTOMIZED



Outside view

Inside view



1EK 80

CUSTOMIZED

info

The model is also available with a decorative frame on the inside

Outside view

Inside view



1EK 117

CUSTOMIZED

Outside view



Inside view



1FK 81/58 | CUSTOMIZED

info

The model is also available with a decorative frame on the inside

Outside view



Inside view



1FK 118/58 | CUSTOMIZED



1FK 81 | CUSTOMIZED



1FK 81/58 | CUSTOMIZED



1FK 81/58 | CUSTOMIZED



1FK 118 | CUSTOMIZED



1FK 81/58 | CUSTOMIZED



1FK 81/58 | CUSTOMIZED

Outside view



Inside view



1GK 82 [CUSTOMIZED](#)

info

The model is also available with a decorative frame on the inside

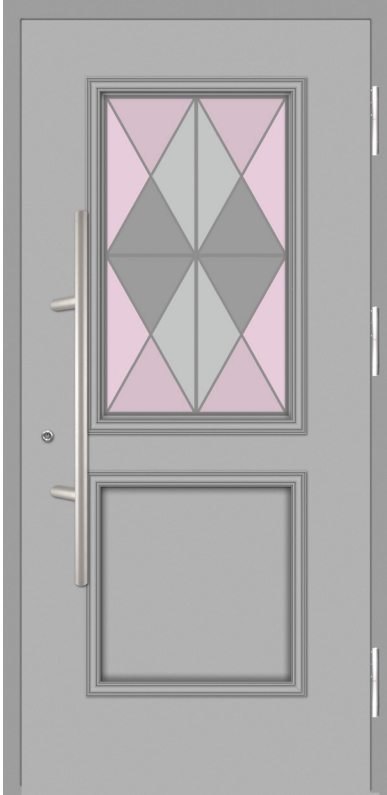
Outside view



Inside view



1GK 119 [CUSTOMIZED](#)



1GK 82/59 | CUSTOMIZED



1GK 82/59 | CUSTOMIZED



1GK 82/59 | CUSTOMIZED



1GK 82/59 | CUSTOMIZED



1GK 82/59 | CUSTOMIZED



1GK 119/59 | CUSTOMIZED



# Geometric Fullpers Collection

GEOMETRIC doors connect to the divisions and geometries known from vintage and industrial styles. Doors in this collection feature eye-catching, refined details that give them a sublime character.

# Doors from Geometric collection with steel texture application

HEAT STANDARD	FRAME	TYPE OF LOCK		
		ROTO QB slot lock (3 locks)	FUHR automatic slot lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	-	•
72 ARKTIC	aluminum	•	•	•
90 PASSIVE	met/drew	•	-	•
90 PASSIVE	aluminum	•	•	•



GB 93



Note the unique black anodized aluminum sheet application. The surface of the sheet metal looks as if it has been heavily rubbed with a wire brush — it is the so-called brushed steel effect. The sheet metal texture is identical to the brushed texture of the grab hand-rail.



Grab hand-rail No. 15 (page 135)



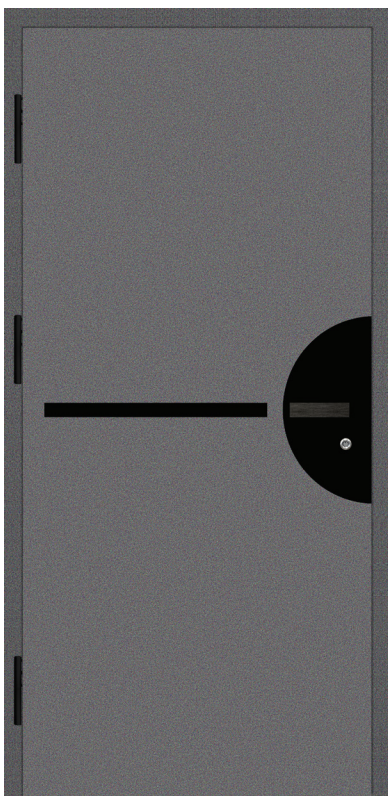


info

The photo shows Alu 90 Standard side-light with the width of 30 cm.



GB 92 | CUSTOMIZED



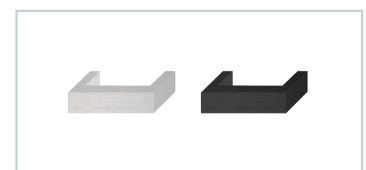
GB 94



GB 100/67



+  
Grab hand-rail No. 18  
(page 135)



+  
Grab hand-rail No. 11  
(page 135)

# Doors from Geometric collection with lamellas

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEQ CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



GV 111



GV 112

Outside view



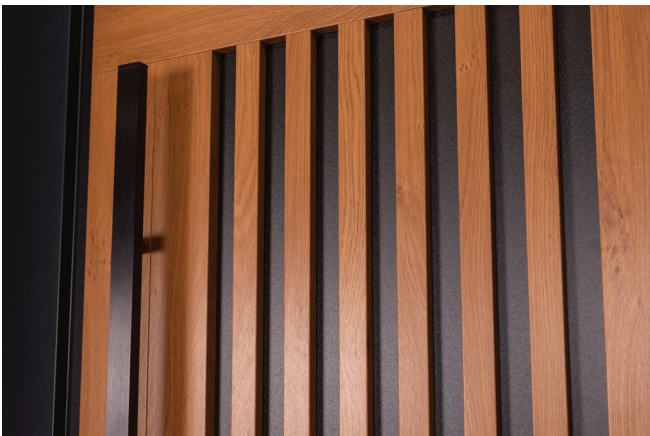
Inside view



GV 111

01

MARTOM has developed proprietary lamella door technology. The slats of lamellas are 2.5 cm wide and 1 cm thick. They are made of veneered sheet metal, identical to the door leaf. Lamellas face the leaf frame. The panel on which they are mounted can be made in the same color as the leaf frame or in a different color.





GV 114



GV 113



GV 116



GV 115



# Simple Elegance Collection

Innovations developed by MARTOM have catered for creating the unique Simple Elegance collection. As the name suggests, the models are characterized by simplicity and elegance, creating a style that is able to fit into many contemporary trends. Simple Elegance models particularly blend in with modern and minimalist buildings. They are ideal for buildings with large glazing on the facade.

IN THE PROPRIETARY SIMPLE ELEGANCE TECHNOLOGY, GLAZING IS INSTALLED FIRST, AND PUR FOAM IS INJECTED INTO THE LEAF IN A SUBSEQUENT CYCLE. THIS ALLOWS THE FOAM TO BOND PERFECTLY WITH THE GLAZING, FILLING THE ENTIRE SPACE. THIS SOLUTION OFFERS MANY ADVANTAGES: EXCELLENT THERMAL INSULATION IS MAINTAINED, AND PUR FOAM PERFECTLY SEALS AND STIFFENS THE LEAF.



01

In doors from Simple Elegance collection the glass is gently off-set against the surface of the leaf. The connection is finished with a subtle, almost invisible seal.



02

The effect of a two-color door is achieved by applying a veneered aluminum sheet.



03

Decorative applications of brushed stainless steel in natural color or anodized black can be used for Simple Elegance models.

# Doors from Simple Elegance collection — pure form

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



Q 669/48 CUSTOMIZED



U 670/48 CUSTOMIZED



X 672/49 CUSTOMIZED

Outside view

Inside view



HIT

V 671/49 | CUSTOMIZED



Outside view



Inside view



Y 673/51





G 625/49 | CUSTOMIZED



G 629/49 | CUSTOMIZED



G 603/48 | CUSTOMIZED



G 678/50 | CUSTOMIZED



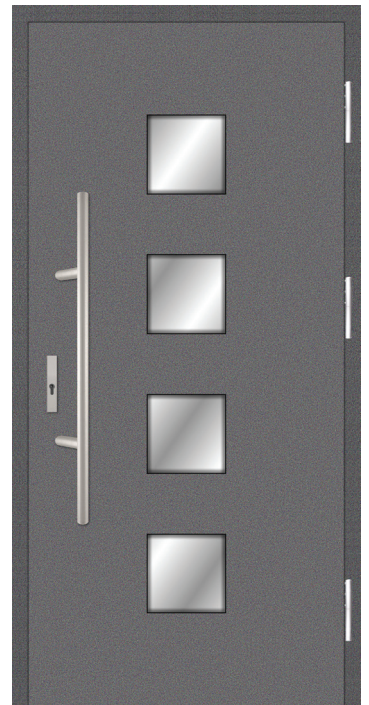
G 600/48 | CUSTOMIZED



G 632/51



G 640/52



G 647/53

# Doors from Simple Elegance collection with decorative applications

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



G 615/49 | CUSTOMIZED



G 677/49 | CUSTOMIZED



G 630/49 | CUSTOMIZED



G 609/49 | CUSTOMIZED



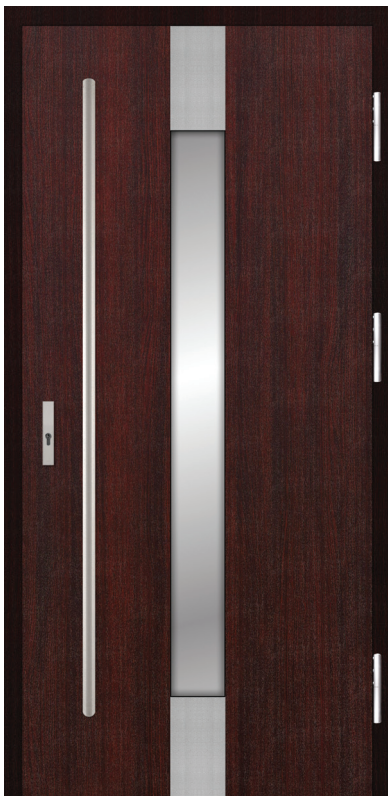
G 631/49



G 628/49



G 675/49 | CUSTOMIZED



G 626/49 | CUSTOMIZED



G 627/49 | CUSTOMIZED



G 601/48 | CUSTOMIZED



G 602/48 | CUSTOMIZED



G 674/48 | CUSTOMIZED



G 606/48 | CUSTOMIZED



G 607/48 | CUSTOMIZED



G 619/48



G 617/48 | CUSTOMIZED



G 623/48



G 676/48 | CUSTOMIZED



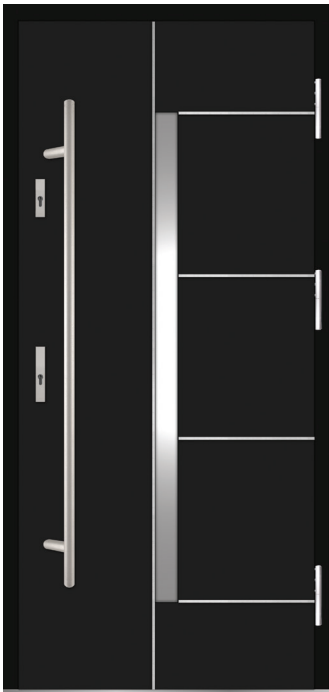
G 613/48 | CUSTOMIZED



G 604/48 | CUSTOMIZED



G 605/48 | CUSTOMIZED



G 620/48



G 621/48



G 622/48



G 624/48



G 611/50 | CUSTOMIZED



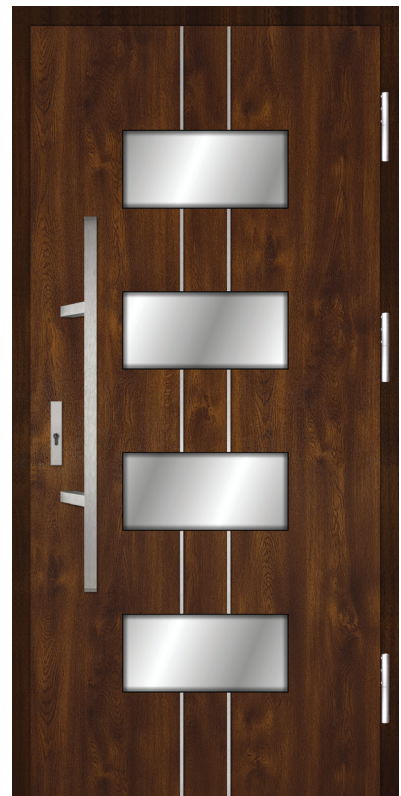
G 679/50 | CUSTOMIZED



G 680/50 | CUSTOMIZED



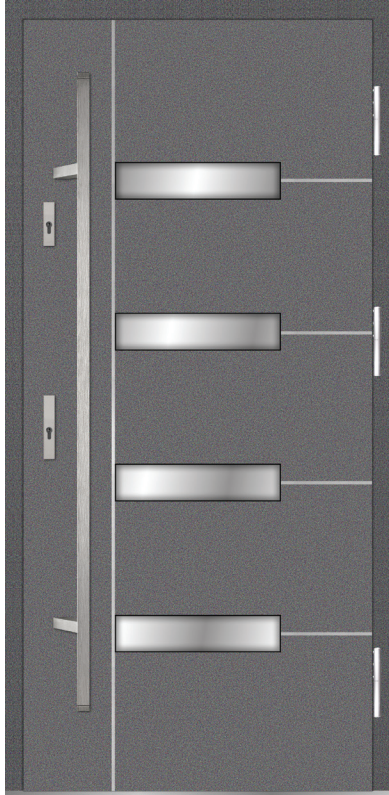
G 642/52



G 645/52



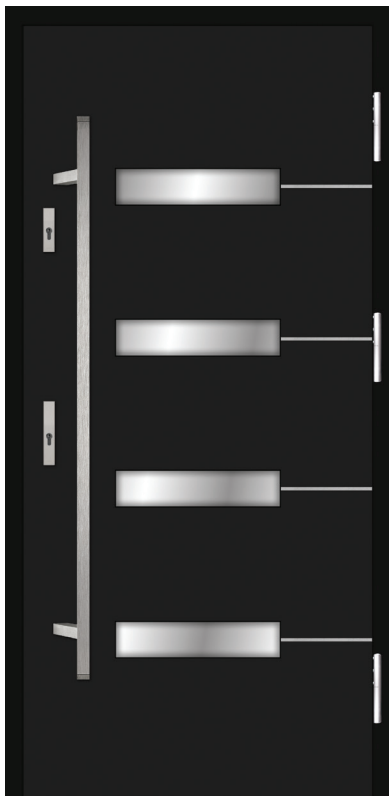
G 634/51



G 637/51



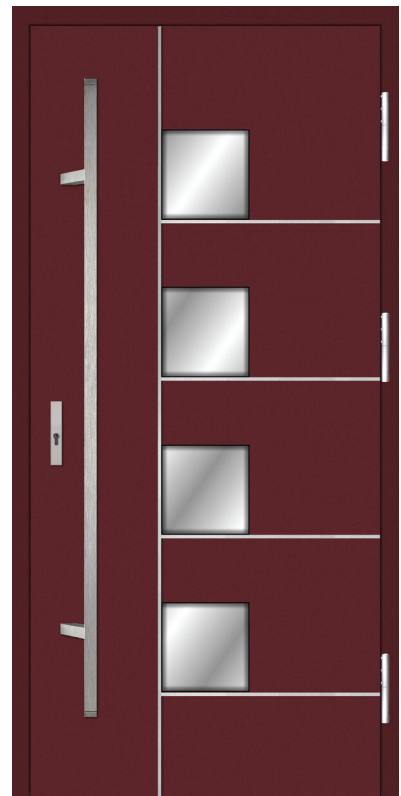
G 638/51



G 636/51



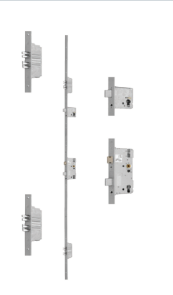




G 651/53



G 654/53

# Doors from Simple Elegance collection — double color

		TYPE OF LOCK				
HEAT STANDARD	FRAME					
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•

Outside view



GL 614/48

Inside view

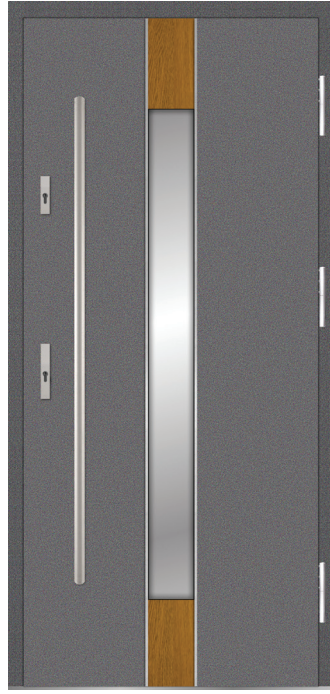




GL 608/48



GL 616/49



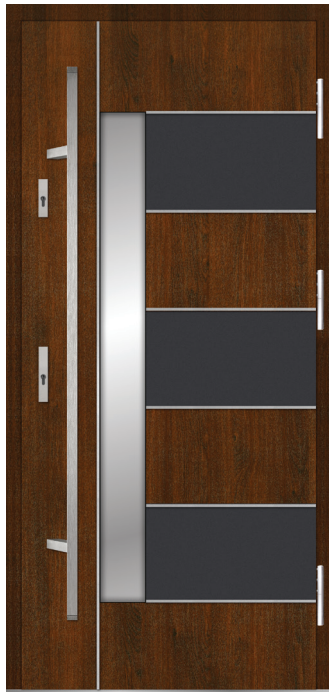
GL 610/49



GL 612/50



GL 655/48



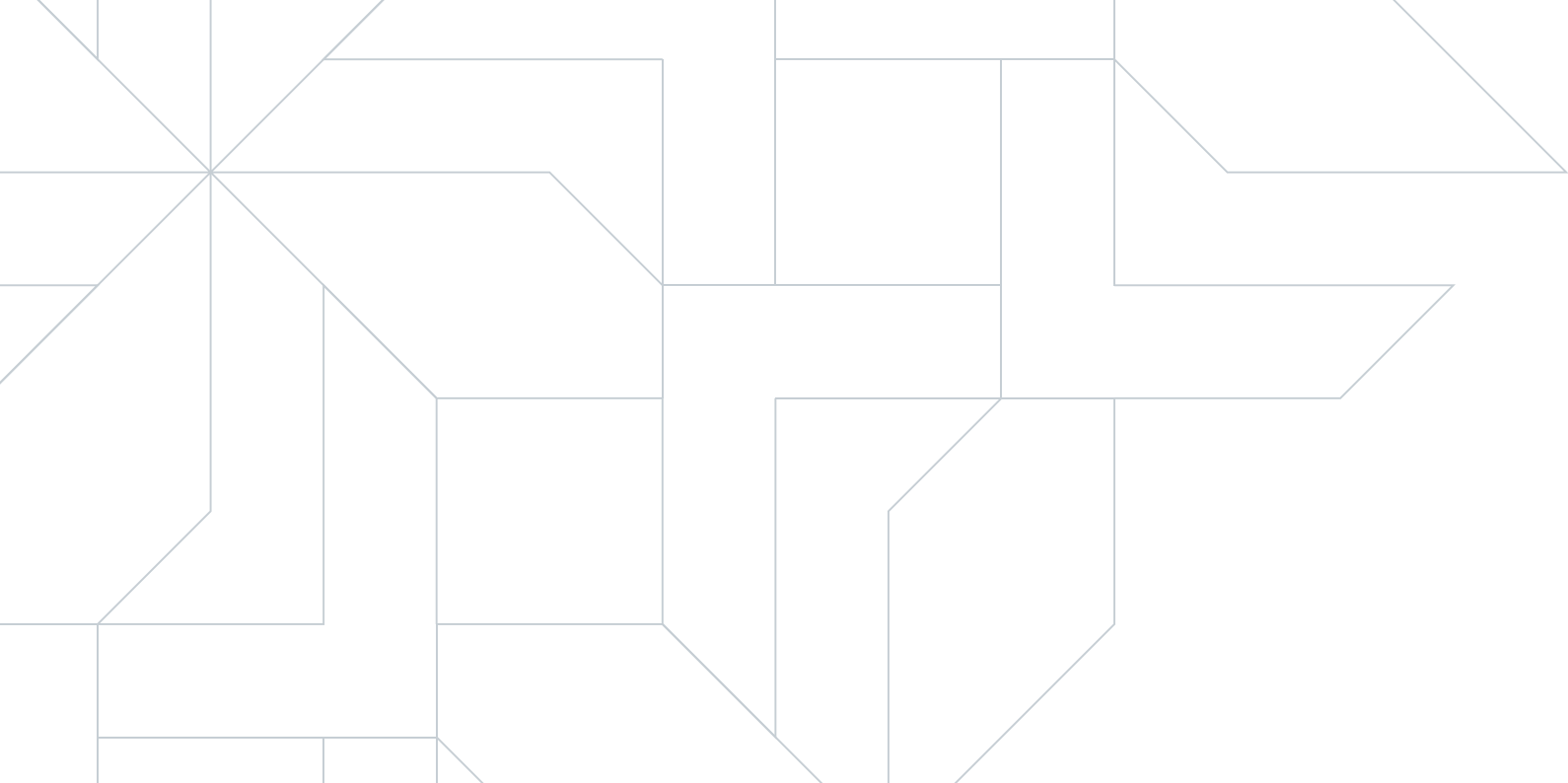
GL 656/49



GL 660/51



GL 662/53



# Modern Collection

The Modern collection includes modern models with applications in brushed stainless steel or black. Doors from the Modern collection are doors with character. A large variety of designs makes it possible to match the model to any home style.



All doors in Modern collection can be finished using two types of materials. It can be a stainless steel application with a brushed stainless steel texture or an anodized black aluminum sheet. As a result, the colors of doors are perfectly matched to individual needs of Customers.

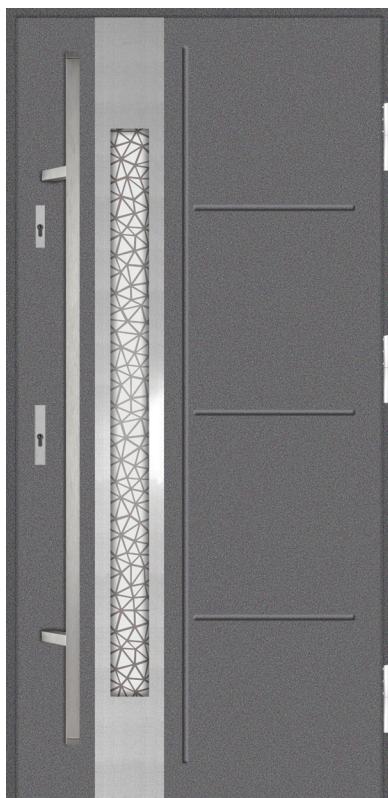


# Doors from Modern collection

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
55 OPTIMAL	steel	•	•	•	-	-
55 NORDIC	met/drew	•	•	•	-	-
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



A 01/3 | CUSTOMIZED



A 01/3 | CUSTOMIZED



A 01/3 | CUSTOMIZED

Outside view



Inside view



info

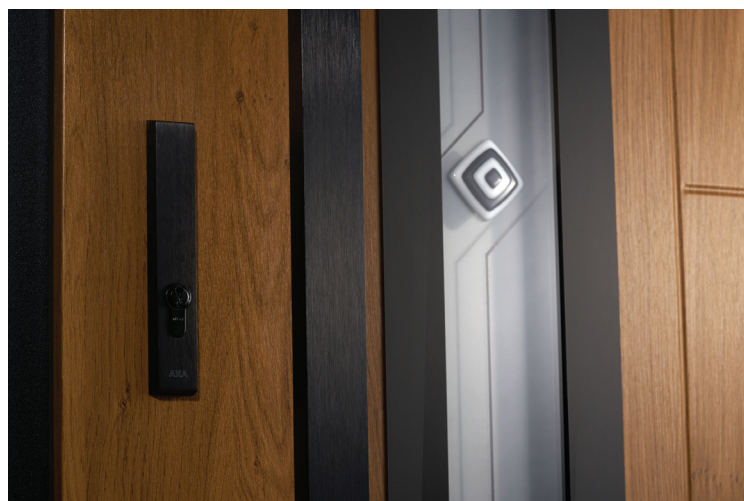
For this model, 15 glazing patterns are available.  
Use the configurator at [www.drzwimartom.pl](http://www.drzwimartom.pl)

HIT

THE MOST POPULAR MODEL FROM  
MODERN COLLECTION

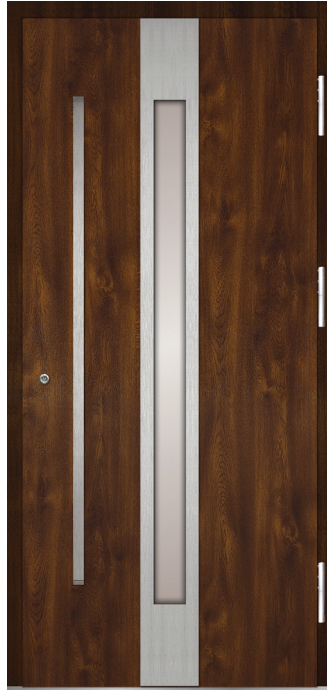
A 01/3

CUSTOMIZED





G 01/3 | CUSTOMIZED



G 02/3 | CUSTOMIZED



G 66/10 | CUSTOMIZED



G 61/56 | CUSTOMIZED



F 61/56 | CUSTOMIZED



G 60/56 | CUSTOMIZED



F 60/56 | CUSTOMIZED



F 65/10 CUSTOMIZED



F 62/10 CUSTOMIZED



G 63/10 CUSTOMIZED



A 14/3



G 05/3 CUSTOMIZED



A 05/3 CUSTOMIZED



G 06/3 CUSTOMIZED



M 07/1 CUSTOMIZED



G 09/3 | CUSTOMIZED



A 09/3 | CUSTOMIZED



A 10/3 | CUSTOMIZED



G 14/3



R 20/19 | CUSTOMIZED



G 20/19 | CUSTOMIZED



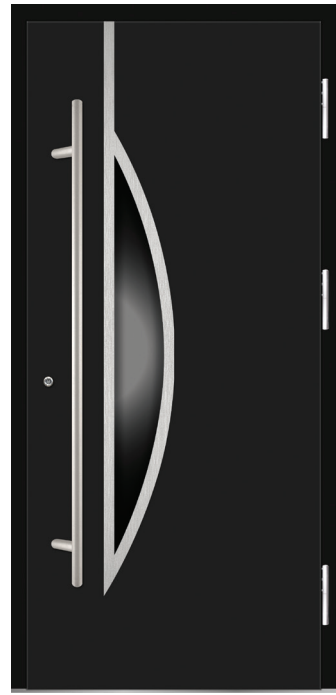
G 33/2 | CUSTOMIZED



J 38/35 | CUSTOMIZED



J 40/35 | CUSTOMIZED



G 39/35 | CUSTOMIZED

Outside view



Inside view



F 15/27  CUSTOMIZED

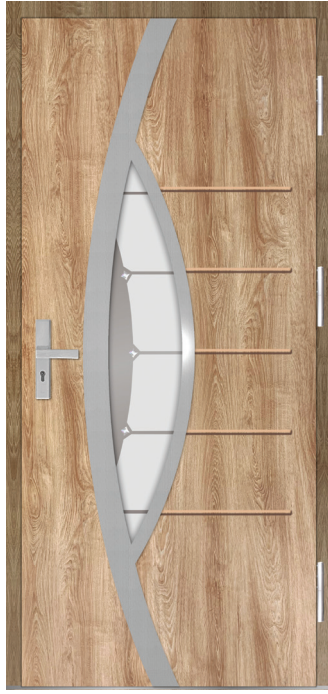




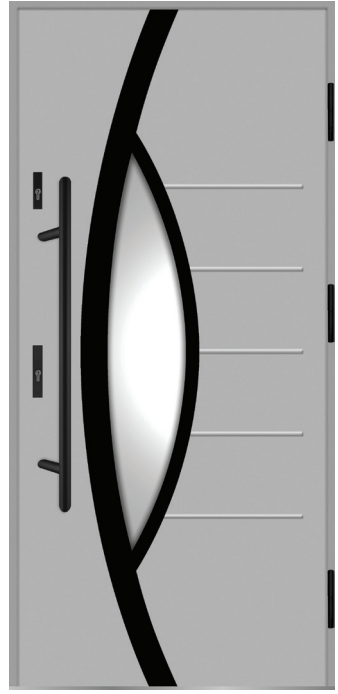
G 15/27 CUSTOMIZED



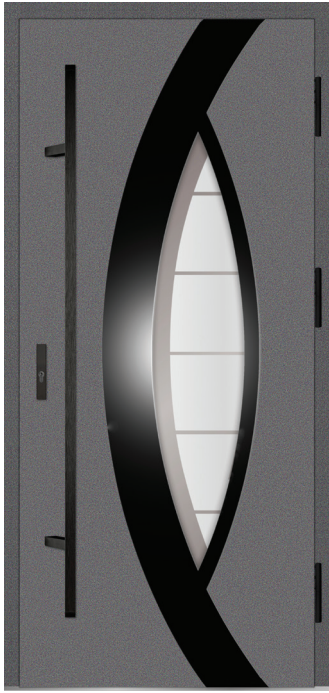
G 15/27 CUSTOMIZED



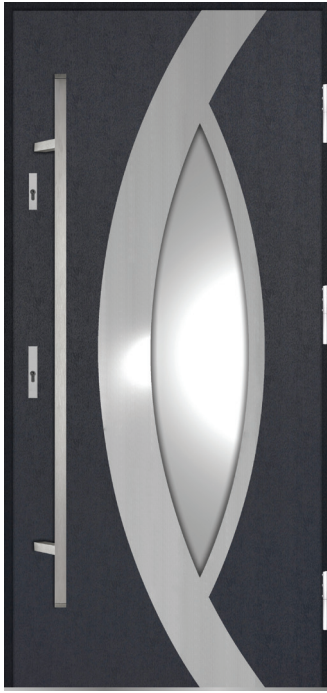
F 15/27 CUSTOMIZED



F 15/27 CUSTOMIZED



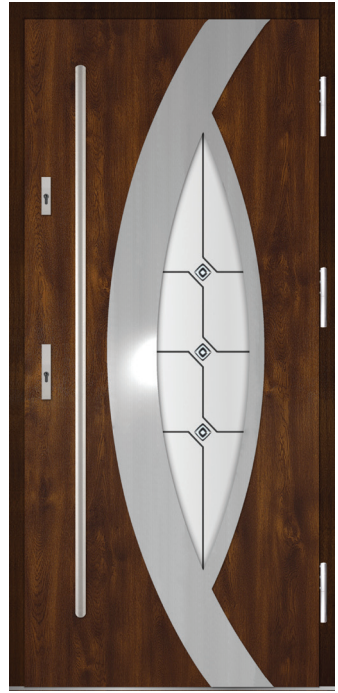
G 16/26 CUSTOMIZED



G 16/26 CUSTOMIZED



G 16/26 CUSTOMIZED



G 16/26 CUSTOMIZED



F 58/54 CUSTOMIZED



G 58/54 CUSTOMIZED



F 59/55 CUSTOMIZED



G 59/55 CUSTOMIZED



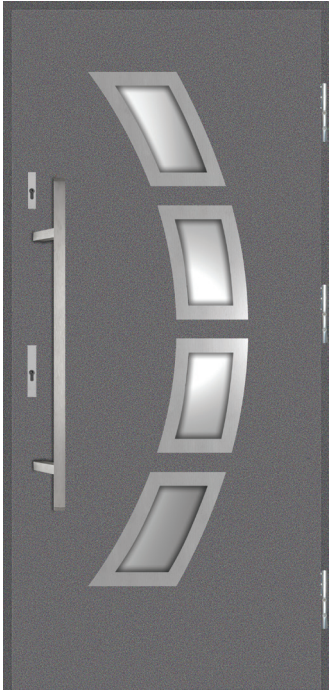
G 23/29 CUSTOMIZED



B 23/29 CUSTOMIZED



B 22/29 CUSTOMIZED



G 32/20



M 32/20



G 13/2



A 13/2



B 21/21 CUSTOMIZED



G 21/21 CUSTOMIZED



M 35/28



M 36/24



## No Glass Collection

Non-glazed doors can also be a striking feature of a house. Solid leafs can have a variety of surface embossing. Decorative applications can be made of sheet metal in natural color, black or can be veneered in different colors. A great deal of possibilities are provided by the use of visually attractive accessories such as grab hand-rails, decorative or regular handles. There are, too, non-glazed doors in other collections, but this collection focuses exclusively on this solution.

# Doors from No Glass collection — the smooth king of low price

HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEQ CC elektromotive lock with keypad/fingerprint reader
55 OPTIMAL	steel	•	•	•	-	-
55 NORDIC	met/drew	•	•	•	-	-
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



G 00 | CUSTOMIZED



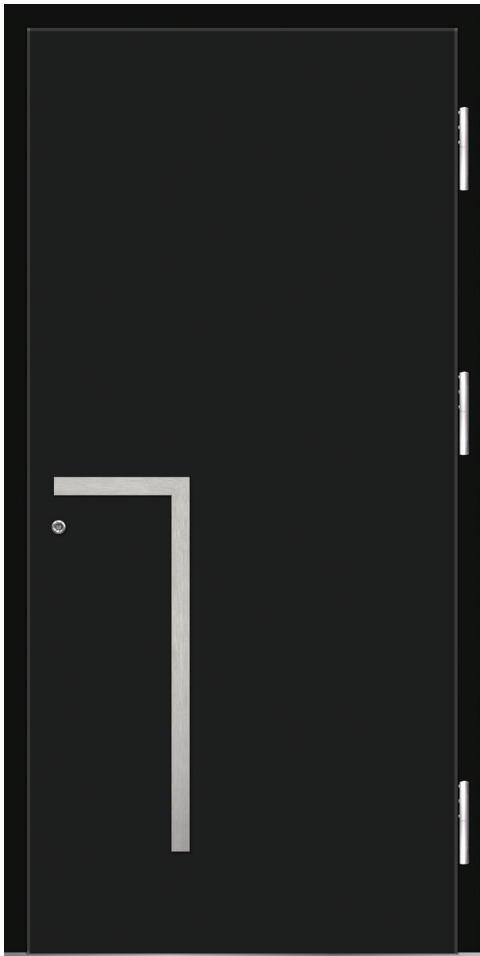
G 00 | CUSTOMIZED



G 00 | CUSTOMIZED



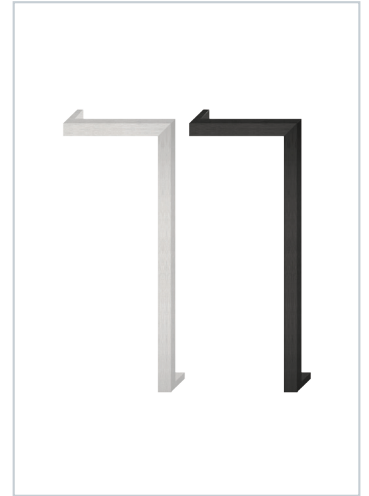
G 00 | CUSTOMIZED



G 00  CUSTOMIZED



G 00  CUSTOMIZED



Grab hand-rail No. 10  
(page 135)



G 00



G 00



Grab hand-rail No. 12  
(page 135)

# Avant-garde proprietary grab hand-rails

Outside view



Inside view



Grab hand-rail No. 17  
(page 135)



The photo shows Fullpers Diamond side-light with the width of 30 cm.

G 00





G 00  CUSTOMIZED



G 00  CUSTOMIZED



Grab hand-rail No. 09  
(page 135)

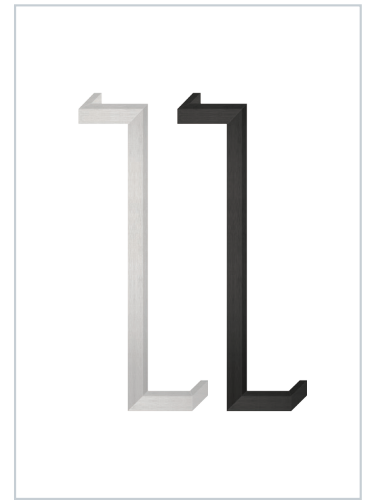




G 00 CUSTOMIZED



G 00 CUSTOMIZED



Grab hand-rail No. 13  
(page 135)



G 00 CUSTOMIZED



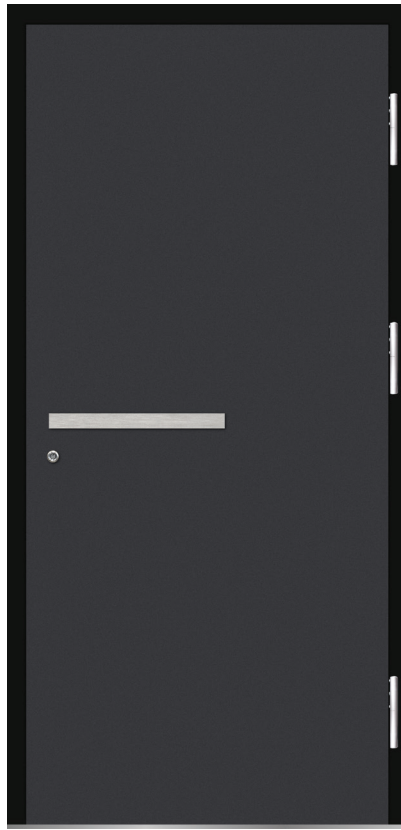
G 00 CUSTOMIZED



Grab hand-rail No. 18  
(page 135)



G 00  CUSTOMIZED



G 00  CUSTOMIZED



Grab hand-rail No. 11  
(page 135)



G 00  CUSTOMIZED




G 00  CUSTOMIZED



Grab hand-rail No. 15  
(page 135)

# Doors from No Glass collection — embossed

HEAT STANDARD	FRAME	TYPE OF LOCK				
		 two standard locks	 ROTO QB slat lock (3 locks)	 ROTO QB slat lock (4 locks)	 FUHR automatic slat lock	 ENEQ CC elektromotive lock with keypad/fingerprint reader
55 OPTIMAL	steel	•	•	•	-	-
55 NORDIC	met/drew	•	•	•	-	-
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



U 670  CUSTOMIZED



Q 669  CUSTOMIZED



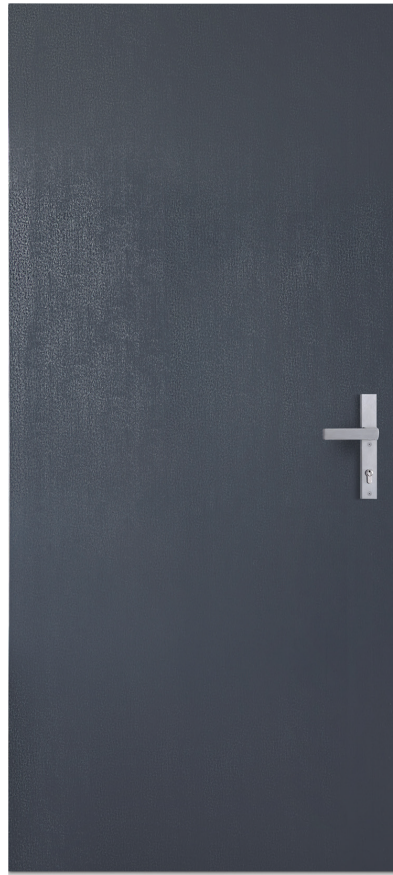
Y 673  CUSTOMIZED

Outside view



G 00

Inside view



info

The photo shows Alu 90 Standard side-light with the width of 30 cm.





**G 00**

flush grab hand-rail 45cm



**A 00**

flush grab hand-rail 100cm



**G 00**

flush grab hand-rail 160cm



**A 00**

flush grab hand-rail 160cm



**A 00**

flush grab hand-rail 180cm



**G 00**

flush grab hand-rail 180cm



C 00

CUSTOMIZED



I 00

CUSTOMIZED



A 00

CUSTOMIZED



B 00

CUSTOMIZED



D 00

CUSTOMIZED

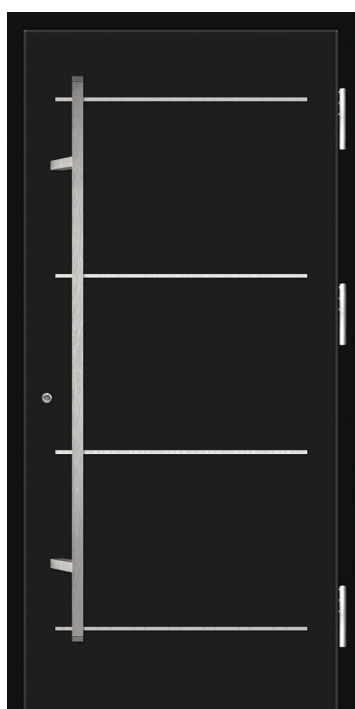


M 00

CUSTOMIZED

# Doors from No Glass collection with decorative application

HEAT STANDARD	FRAME	TYPE OF LOCK				
		 two standard locks	 ROTO QB slat lock (3 locks)	 ROTO QB slat lock (4 locks)	 FUHR automatic slat lock	 ENEO CC elektromotive lock with keypad/fingerprint reader
55 OPTIMAL	steel	•	•	•	-	-
55 NORDIC	met/drew	•	•	•	-	-
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



G 41



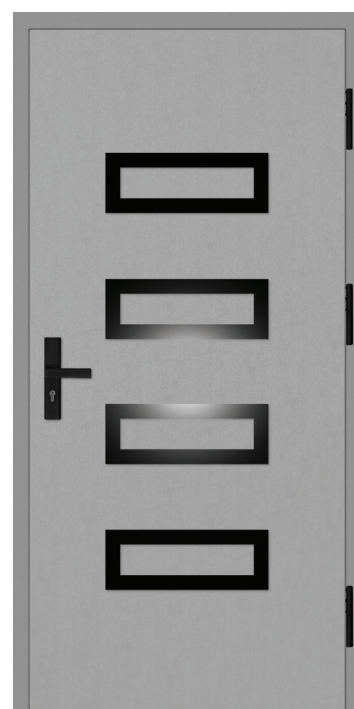
G 04

CUSTOMIZED

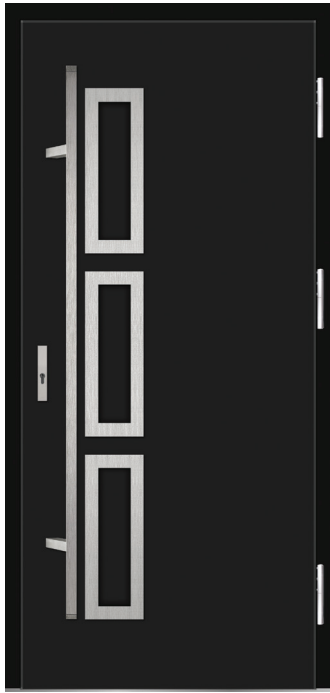


A 04

CUSTOMIZED



G 33



G 13



B 21 CUSTOMIZED



G 42



G 24 CUSTOMIZED



B 24 CUSTOMIZED



F 15 CUSTOMIZED

# Doors from No Glass collection with double color

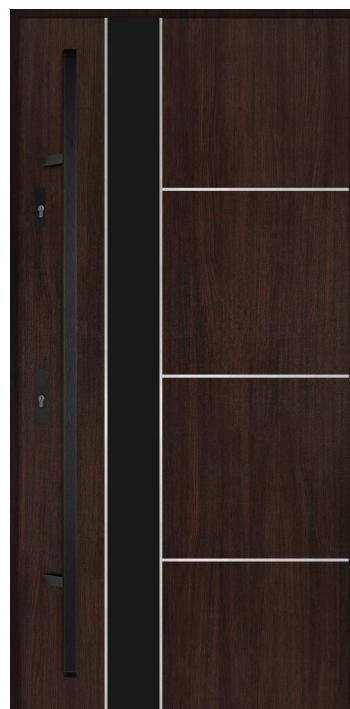
HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEQ CC elektromotive lock with keypad/fingerprint reader
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



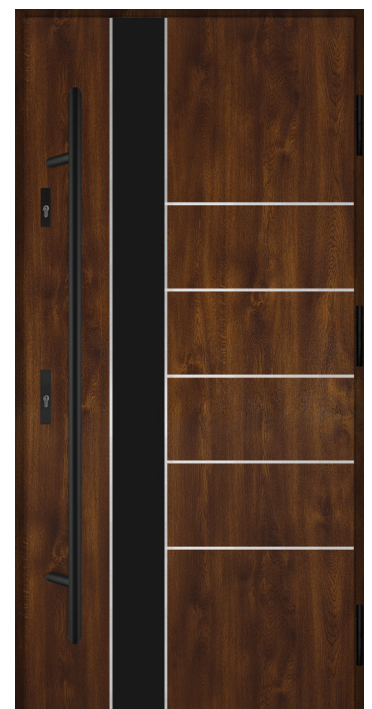
GL 51 | CUSTOMIZED



GL 53 | CUSTOMIZED



GL 55



GL 56



# Traditional Collection

The Traditional door collection connects to traditional door design based on symmetrical divisions and richly decorated glazing. Traditional doors will look great in buildings with manor, retro and vintage architecture. A characteristic feature of these models is the use of a glazing frame made of a profile veneered in the same color as the leaf.

ON THE SURFACE OF THE LEAF, THERE ARE PATTERNS EMBOSSED, CREATING A THREE-DIMENSIONAL DECORATION.



WK 43/42



02

The glazing is finished with a veneer profile identical to the leaf.

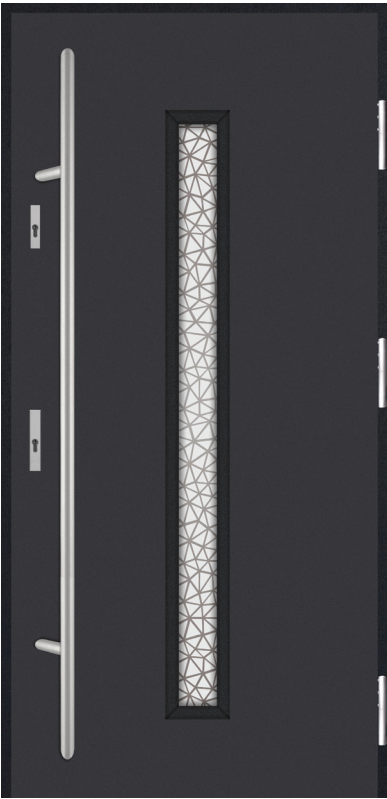


01

Glazing can be made using various technologies, such as printing. The photo shows "stained glass" decoration, which involves covering the inner pane with decorative films, metal frames and ornaments made of polished glass or plastic. This gives the effect of a stained glass window made using a traditional technique.

# Doors from Traditional collection

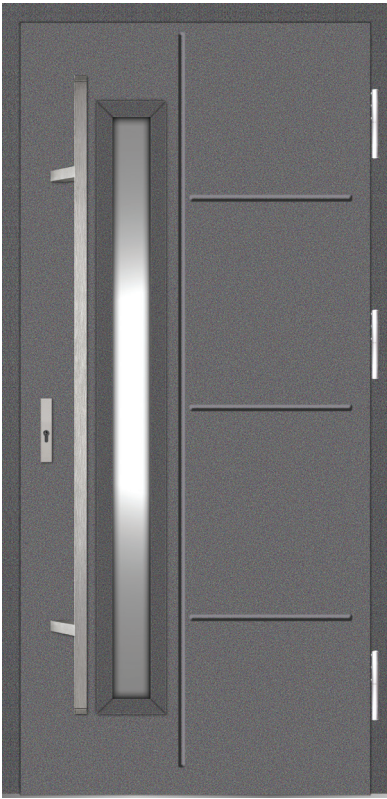
HEAT STANDARD	FRAME	TYPE OF LOCK				
		two standard locks	ROTO QB slat lock (3 locks)	ROTO QB slat lock (4 locks)	FUHR automatic slat lock	ENEO CC elektromotive lock with keypad/fingerprint reader
55 OPTIMAL	steel	•	•	•	-	-
55 NORDIC	met/drew	•	•	•	-	-
72 ARKTIC	met/drew	•	•	•	•	•
72 ARKTIC	aluminum	•	•	•	•	•
90 PASSIVE	met/drew	-	•	-	-	•
90 PASSIVE	aluminum	-	•	-	•	•



GK 06/3



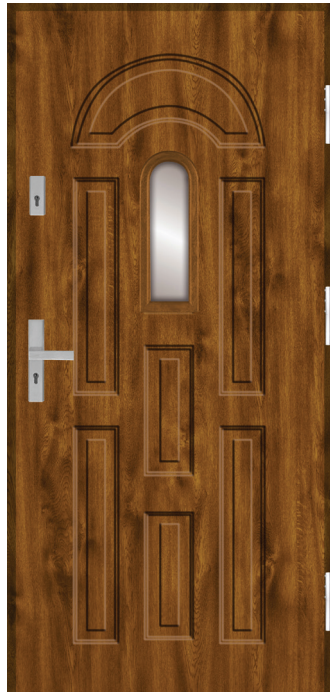
GK 01/3



AK 05/3



W 00



WK 44/41



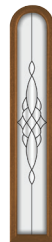
WK 43/42



Reflex



Druk



Druk



Druk



Lustro weneckie



Standard (przezierna)

All glazed models are available in a variety of glazing designs. Check it out in the configurator [www.drzwimartom.pl](http://www.drzwimartom.pl)



WK 45/40



WK 46/40-7



WK 47/40-2X7



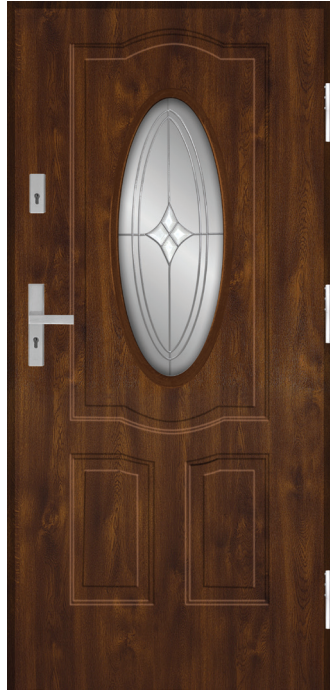
TK 45/40



T 00



E 00



EK 48/47



Druk



Druk



Druk



Druk



S 00



SK 44/41



# Apartment Doors

Apartment doors are mostly located in heated staircases. For this reason, thermal insulation is not so important. MARTOM apartment doors feature a very good thermal transmittance of 1.2–1.3 W/m<sup>2</sup>K. They meet the standards for doors installed on the outside, so — as apartment doors — they perfectly and sufficiently protect against heat loss. In the residential door segment, doors with increased burglary resistance, soundproofing and fire protection are very popular. MARTOM offers doors with different levels of security. The three-in-one option is also a very good choice.

# Protection Against Intrusion



## BURGLARY RESISTANCE CLASSES ACCORDING TO EUROPEAN STANDARDS

Commonly, there is the term “anti-burglary door” in use. In practice, anti-burglary doors do not exist, as all can be forced open. The question is what tools need to be used for this, how long it would take, and how much noise would be made in the process. Classes of burglary resistance are defined by the European standard PN-EN 1627:2012.

Pursuant to this standard, a highly skilled technician attempts to force open various types of doors using a specific set of tools. If a door can withstand an assault with a given set of tools for longer than the time specified in the standard, then it can be labeled with the given RC resistance class. The assumptions of the standard are outlined in the table below.

DOOR CLASS				
	<b>RC1</b>	<b>RC2</b>	<b>RC3</b>	<b>RC4</b>
<b>TOOLS USED FOR BREAKING-IN</b>	No tools required: - attempt to force open with shoulder or kicks, - attempt to lift or pull the lock  	Attempting to break in using simple tools such as: - screwdriver, - pliers, - wedge, - hammer  	Attempting to break in with tools such as: - steel crowbar, - additional screwdriver, - pry bars, - small hammer, - mechanical drill  	The above tools plus, additionally: - heavy hammer, - saw, - cutter, - chisel, - axe  
	lack of research	3 minutes	5 minutes	10 minutes
<b>MINIMUM RESISTANCE TIME</b>				

### CONCLUSIONS

The conclusion of the above summary is that even RC1 and RC2 class doors are a major barrier for casual and unprepared burglars. Most will be discouraged after the first unsuccessful attempt to force them open. Doors of RC3 and RC4 class are impenetrable for casual burglars, while even for experienced and very well-prepared ones they are a barrier requiring the use of noisy tools. Especially for apartments in blocks of flats, where noise is bound to draw the attention of neighbors, this is an extremely effective protection.

### MARTOM HAS RC2 AND RC3 RATED DOORS IN ITS STANDARD RETAIL OFFERING



# Noise Protection

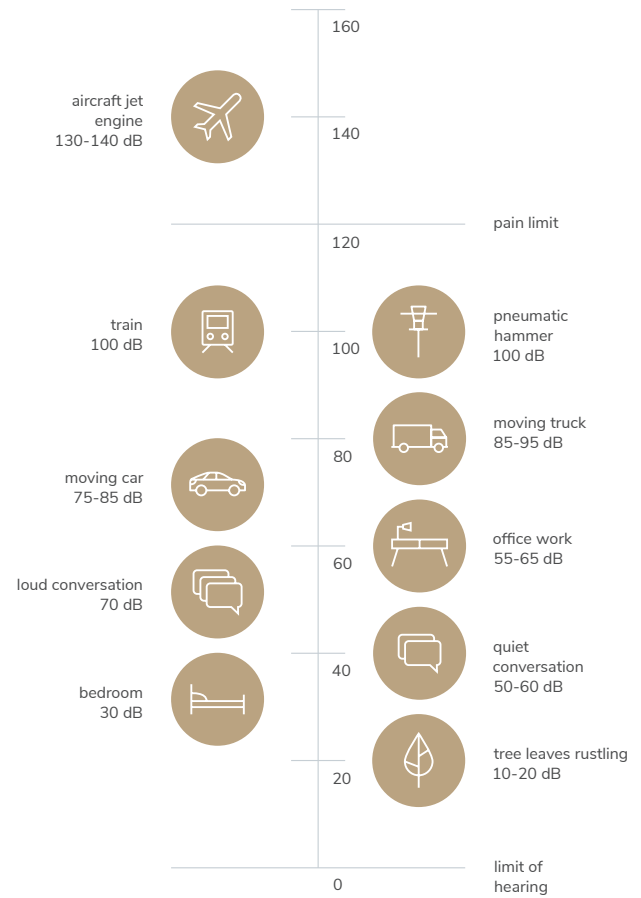
## THE VOLUME OF SOUND RECEIVED BY HUMAN BRAIN CHANGES LOGARITHMICALLY TO THE CHANGE IN THE VOLUME OF THE SOUND IN DECIBELS.

The volume of sound perceived by human brain varies logarithmically to the change in decibels. This means that a 6 dB change in sound intensity doubles the effect heard by humans. Or to put it another way: a 20 dB increase in sound intensity increases the audible effect 10-fold, and a 40 dB increase — by as much as 100-fold.

**IMPROVING THE SOUNDPROOFING OF DOORS BY UP TO 1 DB SIGNIFICANTLY REDUCES THE EFFECT HEARD BY HUMANS AND GREATLY IMPROVES ACOUSTIC COMFORT**

Prolonged noise of more than 35 dB is very detrimental to human health. Such noise is already caused by conversation or medium traffic. It causes fatigue of the nervous system, impairs speech intelligibility, interferes with rest and causes stress. It can cause nervousness and even aggression. In the long term, this can translate into more serious health problems, such as cardiovascular disorders. The standards allow for living spaces such as bedrooms or children's rooms to have an average noise level of 40 dB during the day and 30 dB at night. Full acoustic comfort is in rooms where noise does not exceed 20 dB.

**MARTOM'S STANDARD DOORS ARE QUIETER BY ABOUT 30 DB. THIS IS A HIGH DEGREE OF SUPPRESSION THAT IS FULLY SUFFICIENT IN MANY SITUATIONS.**



**The 42 dB soundproofing door reduces the volume of sounds compared to standard doors by up to 4 times, and to 39 dB soundproofing door — more than twice.**

MARTOM acoustic doors always come in a package with enhanced burglary protection and, in some cases, fire protection as well. RC3 42 dB door are particularly popular. This door is equipped with Roto QB slat lock, which provides exceptional tightness, security and convenience in use. Above all, they are chosen by Customers who live in multi-family buildings and value peace and quiet. In addition to dampening noise reaching the apartment from staircases, acoustic doors also protect the privacy of residents.



# Fire Protection

## FIRE DOORS ARE CLASSIFIED ACCORDING TO HOW LONG THEY CAN WITHSTAND FLAMES AND REMAIN AIRTIGHT.

Doors labeled with EI<sub>2</sub>30 remain flame-tight for 30 minutes. The Sa, Sm designation means that, also for 30 minutes, the flow of smoke through the leaf-frame junction is low and safe for humans. Poisonous smoke poses a greater threat to human life and health than fire, as it is the former that leads to death before the temperature rises to dangerous levels.

**TRIPLE PROTECTION**  
MARTOM's fire doors always come in a package with enhanced burglary and acoustic ratings. There are 2 standards of fire doors in the retail offer: RC2 42dB EI<sub>2</sub>30 SaSm and RC3 42dB EI<sub>2</sub>30 Sa,Sm. We are seeing very strong growth in sales of RC3 42dB EI<sub>2</sub>30 Sa,Sm doors. First of all, they are chosen by conscious Customers living in multi-family buildings on higher floors.



**EI<sub>2</sub>30**

Doors labelled with EI<sub>2</sub>30 remain flame-tight for 30 minutes.



**Sa, Sm**

Even in high-temperature conditions, the flow of smoke through the leaf-frame junction is low and safe for humans.

Rooms on upper floors can become a death trap in the event of a building fire. Delaying access to fire and poisonous smoke for, e.g., 30 minutes can be a matter of life or death in many cases. Therefore, in new residential or office developments, the law forces the use of fire doors.

# MARTOM's Defender doors from the RC3 group

## protection of apartments at Premium Plus level



### RC3 ANTI-BURGLARY CLASS

RC3

Doors of RC3 class are impenetrable for casual burglars, while even for experienced and very well-prepared ones they are a barrier requiring the use of noisy tools. Especially for apartments in blocks of flats, where noise is bound to draw the attention of neighbors, this is an extremely effective protection. Often during a break-in, handles and cylinders are assaulted, for example, by means of reaming them. For this reason, certified doors must have properly secured handles and cylinders.



### SOUNDPROOFING LEVEL OF 42 DB

42 dB

MARTOM's standard doors are quieter by approx. 28–30 dB. This is a high degree of suppression that is sufficient in many situations. The 42 dB soundproofing door reduces the volume of sounds compared to standard doors by up to 4 times!



El<sub>2</sub>30

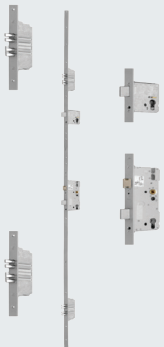


Sa,Sm

### PROTECTION FROM FIRE AND SMOKE FOR 30 MINUTES

Doors labeled with El<sub>2</sub>30 remain flame-tight for 30 minutes. The Sa, Sm designation means that, also for 30 minutes, the flow of smoke through the leaf-frame junction is low and safe for humans. Poisonous smoke poses a greater threat to human life and health than fire, as it is the former that leads to death before the temperature rises to dangerous levels.

## CONSTRUCTION OF MARTOM'S DEFENDER DOORS FROM THE RC3 GROUP




The Roto QB slat lock from the renowned German company Roto has excellent anti-burglary properties thanks to the use of up to four locks. Along with anti-burglary bolts, the leaf is bolted at as many as thirteen points.

**Construction of Defender doors from the RC3 group:**

- Roto QB slat lock
- 1.2 mm thick veneered steel frame
- wooden frame package reinforcing the leaf around the perimeter
- 3 reinforced hinges with a diameter of 18 mm
- 3 anti-burglary bolts
- stainless steel threshold
- leaf filling depending on the security range


**In addition, fire doors feature:**

- a special seal that swells when the temperature rises
- a self-closing device in the form of a spring hinge




RC3 30dB

Filling a leaf with high density PUR foam



RC3 42dB

Filling a leaf with special Defender acoustic insert



RC3 42dB El<sub>2</sub>30 Sa,Sm

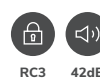
Filling a leaf with special Defender insert made of non-flammable mineral wool with acoustic spacers

## SECURITY STANDARDS AVAILABLE FOR MARTOM'S DEFENDER DOORS FROM THE RC3 GROUP



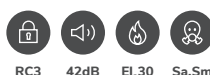
RC3 30dB

RC3 30 dB door — a very high level of anti-burglary protection and standard acoustics. First of all, it protects against uninvited guests, while protection against noise and fire is not crucial.



RC3 42dB

RC3 42 dB door — a very high level of anti-burglary protection and against noise. The standard chosen by Customers who value peace, privacy and security.



RC3 42dB El<sub>2</sub>30 Sa,Sm

Three-in-one protection against burglary, noise and fire. The standard is especially recommended for apartments on higher floors, which can become a death trap in the event of a fire.



42dB

42 dB door — a very high level of noise protection. They differ from RC3 42 dB door only in that there is no need to invest in class (anti-burglary) handles and cylinders — it is enough to use just standard, cost-effective accessories.

# MARTOM's Defender doors from the RC2 group

## good protection at a good price



**RC2 ANTI-BURGLARY CLASS**

RC2

RC2 class doors are a major barrier for casual and unprepared burglars. Most will be discouraged after the first unsuccessful attempt to force them open. Often during a break-in, handles and cylinders are assaulted, for example, by means of reaming them. For this reason, certified doors must have properly secured handles and cylinders.



**SOUNDPROOFING LEVEL OF 42 DB**

42 dB

MARTOM's standard doors are quieter by approx. 28–30 dB. This is a high degree of suppression that is sufficient in many situations. The 42 dB soundproofing door reduces the volume of sounds compared to standard doors by up to 4 times!




**PROTECTION FROM FIRE AND SMOKE FOR 30 MINUTES**

EI<sub>2</sub>30

Sa,Sm

Doors labeled with EI<sub>2</sub>30 remain flame-tight for 30 minutes. The Sa, Sm designation means that, also for 30 minutes, the flow of smoke through the leaf-frame junction is low and safe for humans. Poisonous smoke poses a greater threat to human life and health than fire, as it is the former that leads to death before the temperature rises to dangerous levels.

## CONSTRUCTION OF MARTOM'S DEFENDER DOORS FROM THE RC2 GROUP



Two locks with pins with a diameter of 12 mm. The top lock features 3 pins, and the main lock — 4 pins.


**Construction of Defender doors from the RC3 group:**

- two multi-bolt locks
- 1.2 mm thick veneered steel frame
- wooden frame package reinforcing the leaf around the perimeter
- 3 reinforced hinges with a diameter of 18 mm
- 3 anti-burglary bolts
- stainless steel threshold
- leaf filling depending on the security range

**In addition, fire doors feature:**

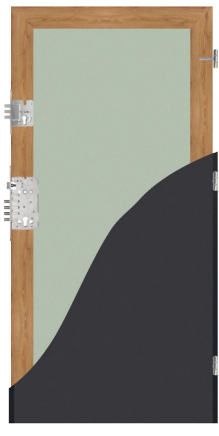
- a special seal that swells when the temperature rises
- a self-closing device in the form of a spring hinge

**info** The manufacturer reserves the right to use a 4-bolt or 5-bolt main lock interchangeably — both variants meet burglary and fire protection standards.



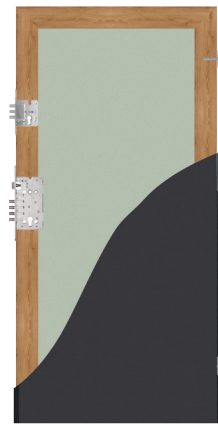
RC2 30dB

Leaf Filling with Foamed EPS



RC2 42dB  
RC2 39dB

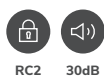
Filling a leaf with special Defender acoustic insert 42dB or 39dB



RC2 42dB EI<sub>2</sub>30 Sa,Sm

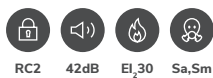
Filling a leaf with special Defender insert made of non-flammable mineral wool with acoustic spacers

## SECURITY STANDARDS AVAILABLE FOR MARTOM'S DEFENDER DOORS FROM THE RC2 GROUP



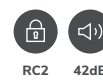
RC2 30dB

RC2 30 dB door — a good level of anti-burglary protection and standard acoustics. First of all, it protects against uninvited guests, while protection against noise and fire is not crucial.



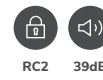
RC2 42dB EI<sub>2</sub>30 Sa,Sm

Three-in-one protection against burglary, noise and fire. The standard is especially recommended for apartments on higher floors, which can become a death trap in the event of a fire.



RC2 42dB

A good level of anti-burglary protection and high (39dB) or very high (42dB) level of protection against noise. The standard chosen by Customers who value peace, privacy and security.



RC2 39dB

42 dB door — a very high level of noise protection. 39 dB door — a high level of noise protection. They differ from RC2 42 dB door only in that there is no need to invest in class (anti-burglary) handles and cylinders — it is enough to use just standard, cost-effective accessories.



42dB



39dB

# Standard apartment doors at an excellent price

The sturdy construction makes Defender doors a very effective barrier against any attempt to force them open without the use of tools. It is virtually impossible to force them open with shoulder or kicks. In terms of protection and durability, Defender doors are superior to many standard solutions dedicated to apartments. Defender doors are quieter by about 28 dB. This is a high degree of suppression that is fully sufficient in many situations.

**DEFENDER**

28 dB

additional 3-bolt lock  
(diameter of pins:  
12 mm)

3-bolt main lock  
(diameter of pins:  
12 mm)

**Door Construction**

- veneered steel sheet leaf
- 1.2 mm thick steel sheet frame
- wooden hardware reinforcements
- EPS foamed polystyrene filling
- 3 reinforced hinges with a diameter of 18 mm
- 3 anti-burglary bolts
- stainless threshold

## DEFENDER DOORS

**info** An anti-burglary door that has a declared RC2 or RC3 class must be equipped with an anti-burglary cylinder and handle. Doors that do not need to have an anti-burglary rating, such as acoustic-only doors, can be equipped with standard accessories.

PRODUCT GROUP	TYPE OF LOCK	LEAF FILLING	DECLARED PARAMETERS
<b>Standard Defender</b>	two multi-bolt locks	EPS foamed polystyrene filling	28 dB
<b>Defender RC2 group</b>	Two locks: 4-bolt main lock additional 3-bolt lock	EPS foamed polystyrene filling + wooden frame	30 dB RC2 30 dB
		acoustic insert 39dB	39 dB RC2 39 dB
		acoustic insert 42dB	42 dB RC2 42 dB
		fire protection insert	RC2 42 dB EI30
<b>Defender RC3 group</b>	Roto QB slat lock	PUR foam	RC3 30 dB
		acoustic insert 42dB	42 dB RC3 42 dB
		fire protection insert	RC3 42 dB EI30



G 00



A 00



B 00



C 00



Y 673



U 670



Q 669



M 00



S 00



W 00



T 00



E 00



I 00



D 00



G 41



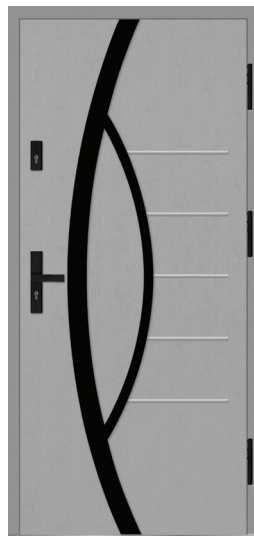
G 33



G 24



B 21



F 15



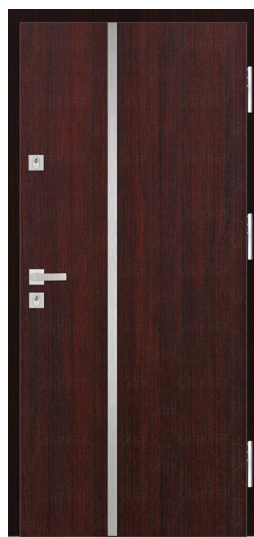
B 24



A 04



G 13

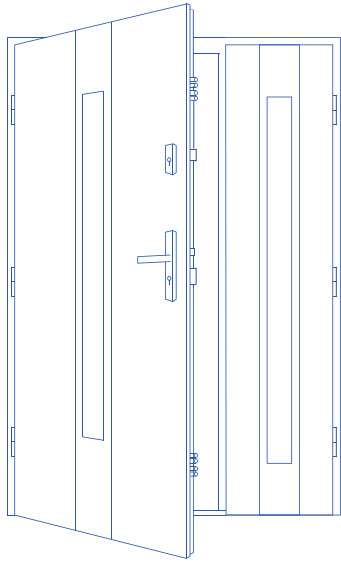


G 04



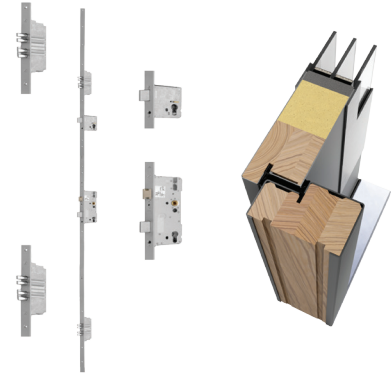
G 42

# Double Leaf Doors



- Leaf sheathing made of galvanized steel sheet covered with high-grade laminate
- PUR foam filling made using injection molding technology
- Fully adjustable 3D hinges
- Anti-burglary bolts
- The glazing package is made of 3 glass panes connected by the so-called warm frames
- Stainless steel threshold with thermal insert; threshold filling with XPS insert reduces heat loss

- MET/DREW frame
- ROTO QB slat lock with additional top lock



**DS0  
DOUBLE LEAF NON-  
GLAZED MODELS**

DS A 00

## THE DESIGN OF DOUBLE LEAF DOOR IS BASED ON NORDIC STANDARD WITH ROTO QB SLAT LOCK

All designs of models available in Nordic standard (Modern, Traditional collections and most of the models from No Glass collection) are available in a double leaf version with a non-glazed passive leaf. Available versions with both leaves glazed are presented in the configurator.



**DS1  
DOUBLE LEAF MODELS  
WITH ACTIVE LEAF  
GLAZED**

DS1 J 40/35



**DS2  
DOUBLE LEAF MODELS  
WITH BOTH LEAVES  
GLAZED**

DS2 A 05/3

# Utility Room Doors

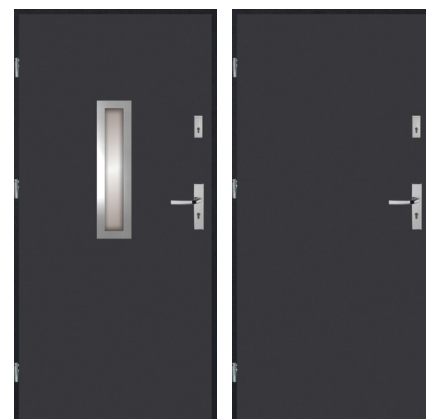
42

Doors with a thickness of 42 mm designed for installation in residential and public buildings.



## STANDARD EQUIPMENT

- door leaf
- frame including gasket
- set of locks
- 3 fixed anti-burglary bolts
- 3 pivot-screw hinges
- lock adjustment
- stainless threshold



**info** The 42 technical door available in full color.

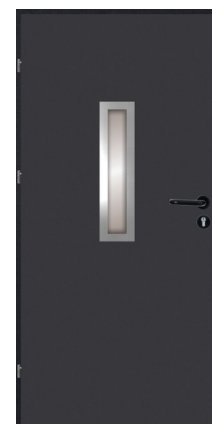
42 UNI

Technical door with a thickness of 42 mm designed for installation in residential buildings, utility rooms, technical rooms, garages, basements, etc.

## STANDARD EQUIPMENT

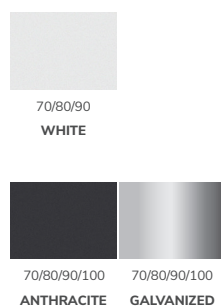
Door leaf made of galvanized steel sheet covered with PVC laminate or lacquered, filled with ecological EPS foamed polystyrene board with very good insulation and acoustic parameters, flush main lock, 3 single hinges.

Frame made of galvanized steel sheet covered with PVC laminate with gasket or galvanized without gasket.



**info** The 42 UNI technical door is sold in a set: leaf + frame + threshold.

## AVAILABLE DOOR COLORS



Examples of 42 and 42 UNI door handles. Check the configurator for other handle combinations.

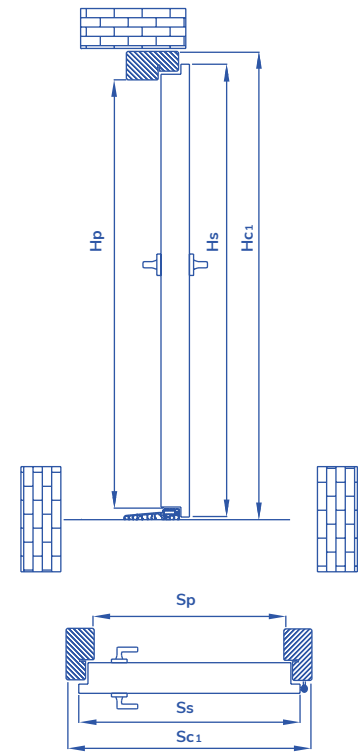
# Standard door dimensions

info

Installation clearances should be selected in accordance with the construction best practices, taking into account the method of installation, type of walls and site conditions

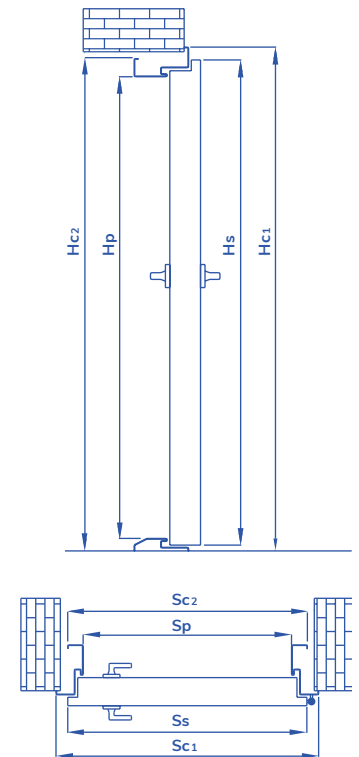
## DOOR DIMENSIONS WITH SYMMETRICAL FRAMES

	DOOR SIZE	FRAME		PASS-THROUGH		LEAF	
		HEIGHT $H_{c1}$	WIDTH $S_{c1}$	HEIGHT $H_p$	WIDTH $S_p$	HEIGHT $H_s$	WIDTH $S_s$
PASSIVE METDREW FRAME	80N	2070	900	1979	760	2025	839
	80	2096	941	2005	801	2051	880
	90N	2070	1000	1979	860	2025	939
	90	2096	1041	2005	901	2051	980
	100	2096	1141	2005	1001	2051	1080
PASSIVE ALUMINUM FRAME	80N	2089	938	1979	760	2025	839
	80	2115	979	2005	801	2051	880
	90N	2089	1038	1979	860	2025	939
	90	2115	1079	2005	901	2051	980
	100	2115	1179	2005	1001	2051	1080
ARKTIC NORDIC METDREW FRAME	80N	2066	871	1992	761	2021	810
	80	2096	911	2022	801	2051	850
	90N	2066	971	1992	861	2021	910
	90	2096	1011	2022	901	2051	950
	100	2096	1111	2022	1001	2051	1050
ARKTIC ALUMINUM FRAME	80N	2085	909	1992	761	2021	810
	80	2115	949	2022	801	2051	850
	90N	2085	1009	1992	861	2021	910
	90	2115	1049	2022	901	2051	950
	100	2115	1149	2022	1001	2051	1050
OPTIMAL DEFENDER SYMMETRICAL STEEL FRAME	80N	2056	886	1978	776	2015	825
	80	2078	911	2002	801	2037	850
	90N	2056	986	1980	876	2015	925
	90	2078	1011	2002	901	2037	950
	100	2078	1111	2002	1001	2037	1050
DOUBLE LEAF DOORS	110 (80+30)	2075	1213	2000	1103	2037	1150
	120 (90+30)	2075	1313	2000	1203	2037	1250
	130 (80+50)	2075	1413	2000	1303	2037	1350
	140 (90+50)	2075	1513	2000	1403	2037	1450



## DOOR DIMENSIONS WITH ASYMMETRICAL AND CORNER FRAMES

DOOR SIZE	FRAME (A HIGHER DIMENSION)		FRAME (A LOWER DIMENSION)		PASS-THROUGH		LEAF		
	HEIGHT $H_{c1}$	WIDTH $S_{c1}$	HEIGHT $H_{c2}$	WIDTH $S_{c2}$	HEIGHT $H_p$	WIDTH $S_p$	HEIGHT $H_s$	WIDTH $S_s$	
OPTIMAL DEFENDER ASYMMETRICAL STEEL FRAME	80N	2056	886	2036	846	1978	776	2015	825
	80	2078	911	2058	871	2002	801	2037	850
	90N	2056	986	2036	946	1980	876	2015	925
	90	2078	1011	2058	971	2002	901	2037	950
	100	2078	1111	2058	1071	2002	1001	2037	1050
OPTIMAL DEFENDER CORNER STEEL FRAME	80N	2056	886	2017	808	1978	776	2015	825
	80	2078	911	2039	833	2002	801	2037	850
	90N	2056	986	2017	908	1980	876	2015	925
	90	2078	1011	2039	933	2002	901	2037	950
	100	2078	1111	2039	1033	2002	1001	2037	1050
42 ASYMMETRICAL STEEL FRAME	80N	2056	886	2036	846	1980	776	2015	825
	80	2078	911	2058	871	2002	801	2037	850
	90N	2056	986	2036	946	1980	876	2015	925
	90	2078	1011	2058	971	2002	901	2037	950
	100	2078	1111	2058	1071	2002	1001	2037	1050
42 CORNER STEEL FRAME	80N	2056	886	2017	808	1980	776	2015	825
	80	2078	911	2039	833	2002	801	2037	850
	90N	2056	986	2017	908	1980	876	2015	925
	90	2078	1011	2039	933	2002	901	2037	950
	100	2078	1111	2039	1033	2002	1001	2037	1050
42 UNI ASYMMETRICAL STEEL FRAME	70	2078	811	2058	771	2002	701	2037	750
	80N	2056	886	2036	846	1980	776	2015	825
	80	2078	911	2058	871	2002	801	2037	850
	90N	2056	989	2036	946	1980	876	2015	925
	90	2078	1011	2058	971	2002	901	2037	950
42 UNI CORNER STEEL FRAME	70	2078	811	2039	733	2002	701	2037	750
	80N	2056	886	2017	808	1980	776	2015	825
	80	2078	911	2039	833	2002	801	2037	850
	90N	2056	986	2017	908	1980	876	2015	925
	90	2078	1011	2039	933	2002	901	2037	950



# Customized door — pitfalls to avoid

Door manufacturing companies adapt door designs to larger or smaller dimensions in different ways. They do not always change the proportions of glazing and embossing. Hardly any company alters the position and length of the grab hand-rail. Sometimes a resized model can look completely different from the standard sized one in a catalog photo. This can be a source of disappointment and frustration.

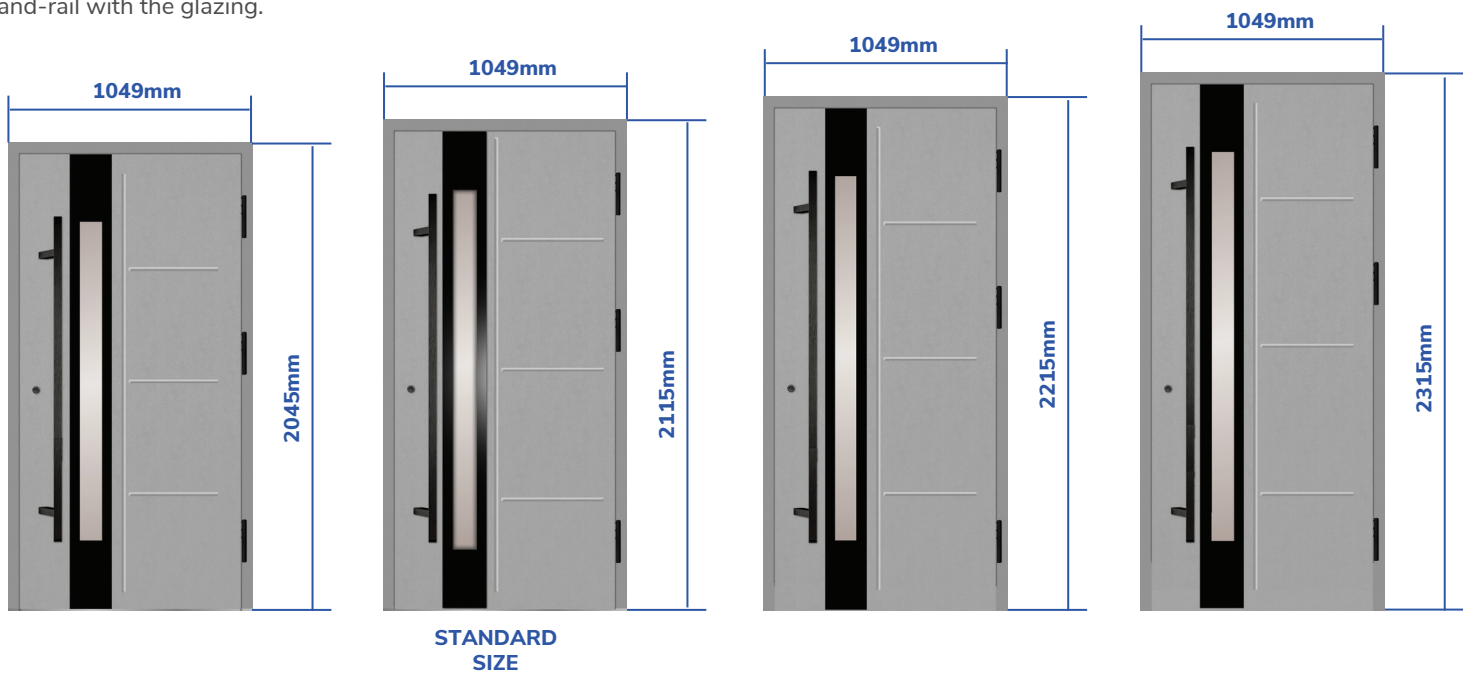
For this reason, MARTOM has made sure that the change in dimensions does not spoil the design effect of our doors. See what is to come, along with a change in the dimensions of MARTOM door.

## WHAT SETS MARTOM “CUSTOMIZED” DOOR APART:

- ✓ all embossing will change proportionally as the door size changes
- ✓ position of glazing and decorative applications will change in proportion to the size of the door
- ✓ as the height of the door increases, the height of the glazing will change (every 10 cm)
- ✓ as the height of the door changes, the lengths of the grab hand-rails will change (every 10 cm), as well as their position (proportionally, every 1 cm)

The implementation of these solutions is very complicated. Only companies with state-of-the-art and fully automated machinery are able to execute such objectives.

The below figures show, using MARTOM A01/3 model as an example, how the proportions of grab hand-rails, glazing and embossing are adjusted for different door heights. No doubt: the visual effect is excellent. It is worth paying special attention to the perfect facing of the grab hand-rail with the glazing.



To avoid unpleasant surprises, it is a good idea to ask the door manufacturing company a few questions:

**ONLY AVAILABLE FROM  
MARTOM!!!**

- How will the embossing change as the height and width increase?
- Does the size and position of the glass and application change in proportion to the size of the door?
- Does the position and length of the grab hand-rail change in proportion to the height of the door?

## POSSIBILITY OF SHORTENING THE DOOR

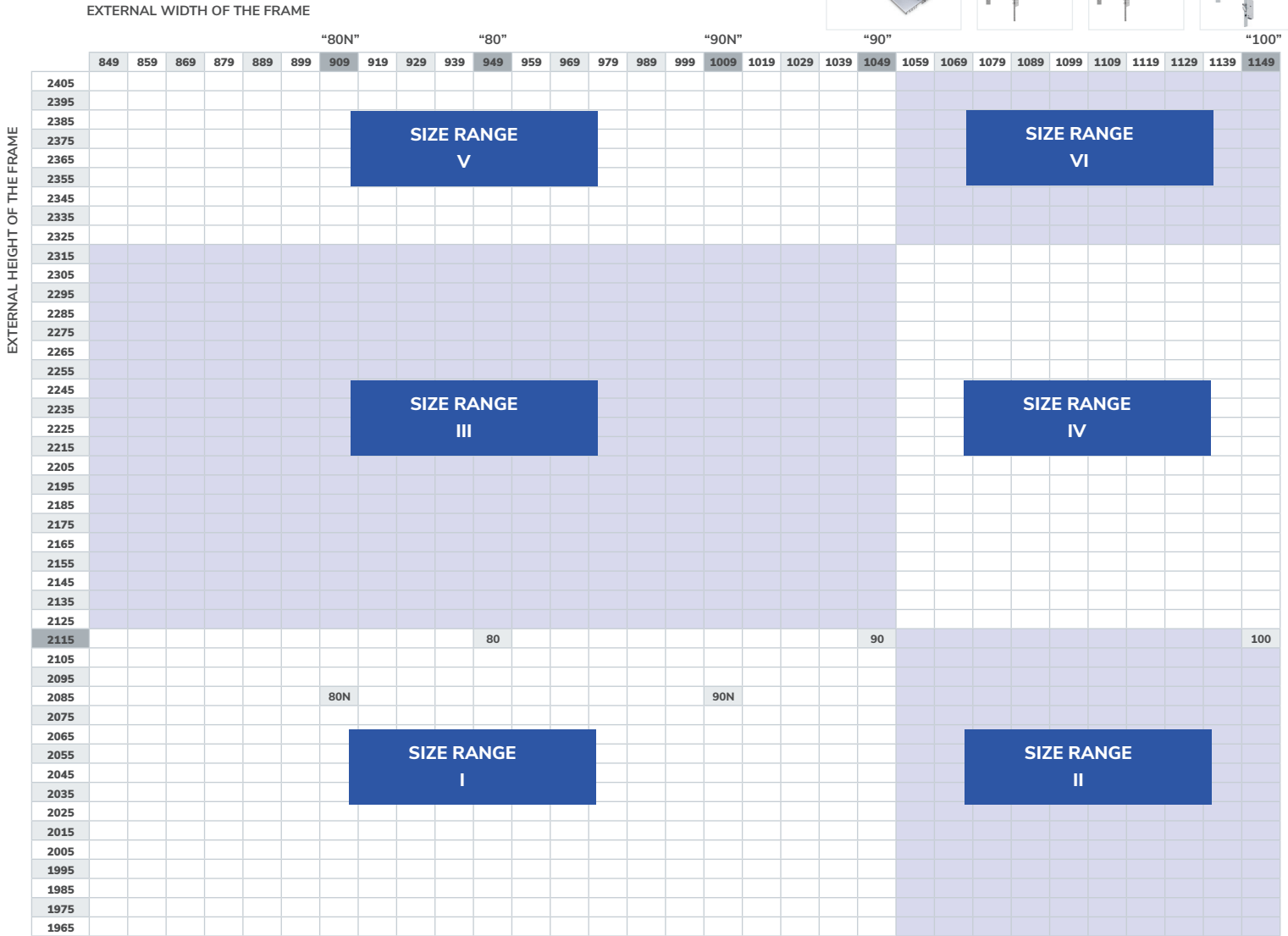
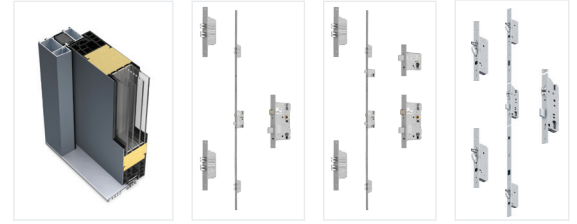
It is possible to shorten doors in Optimal and Defender standards.

- Optimal and Defender doors with slat lock can be shortened by up to 90 mm. The handle remains at the standard height of 102 cm from the bottom edge of the leaf.
- Optimal Standard doors (with two locks) and Defender RC2 group can be shortened by up to 150 mm. NOTE: There is a lowering of the handle by the value of the shortening.



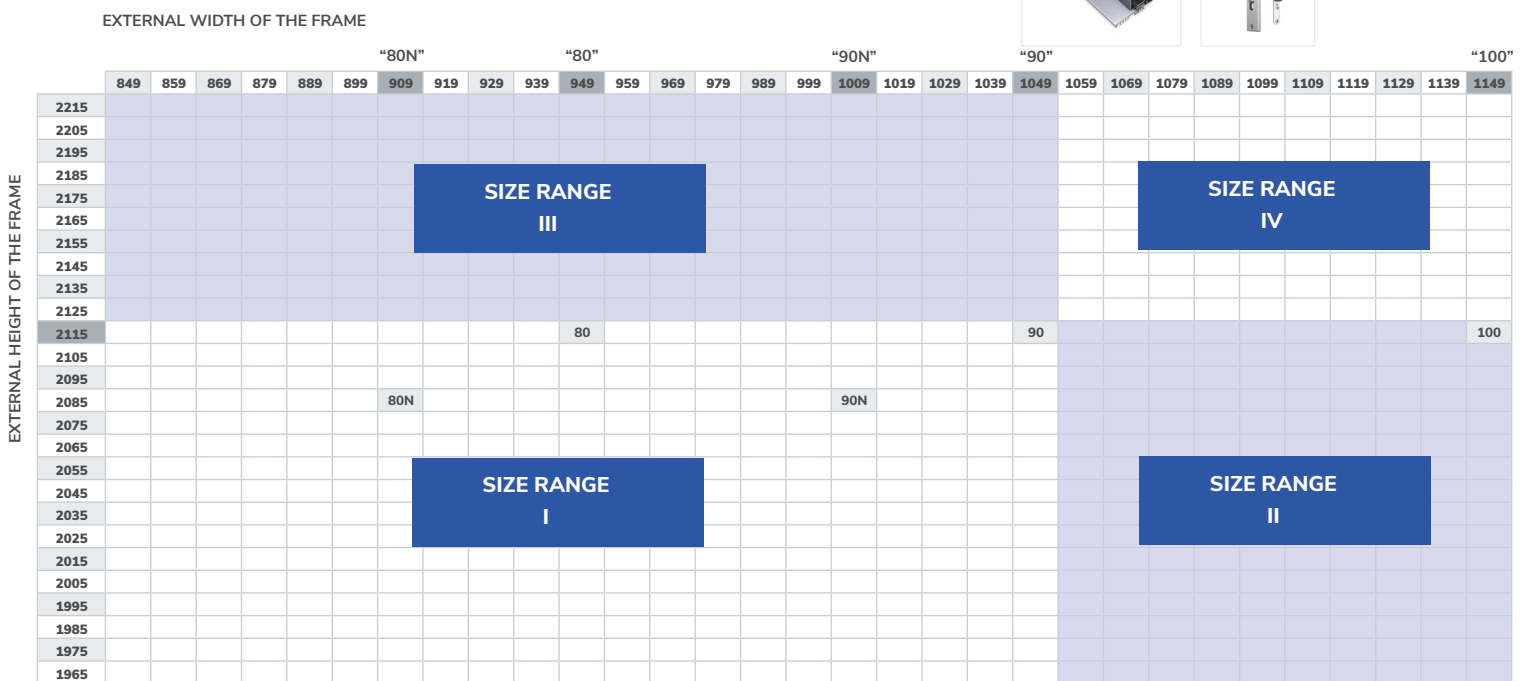
## ARKTIC ALU

- ROTO QB SLAT LOCK (3 LOCKS)
- ROTO QB SLAT LOCK (4 LOCKS)
- FUHR AUTOMATIC SLAT LOCK



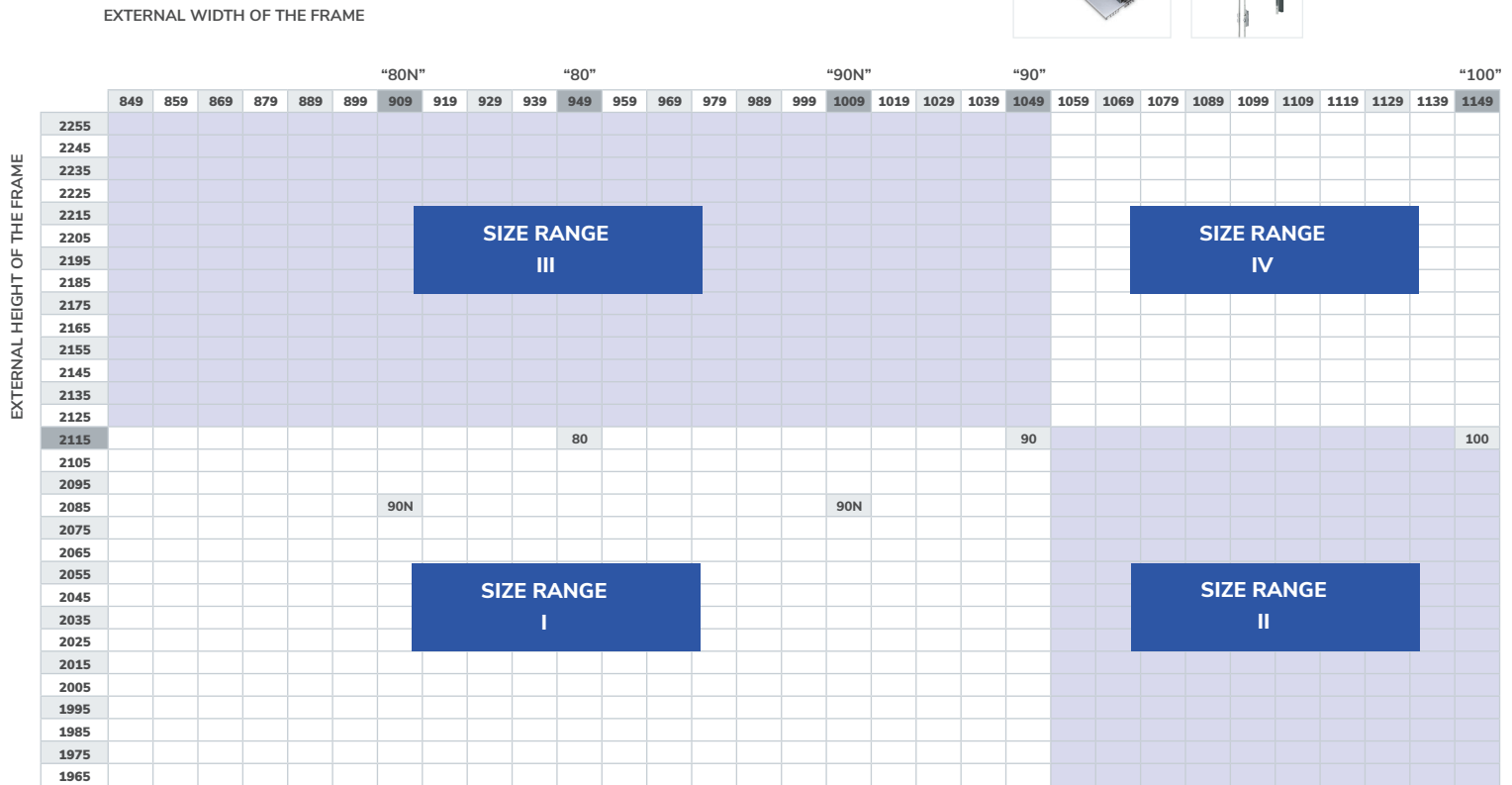
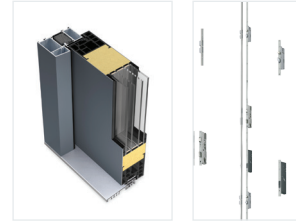
## ARKTIC ALU

STANDARD: TWO 3-BOLT LOCKS



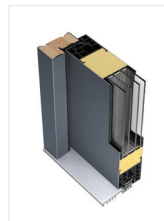
## ARKTIC ALU

ENEQ ELEKTROMOTIVE SLAT LOCK



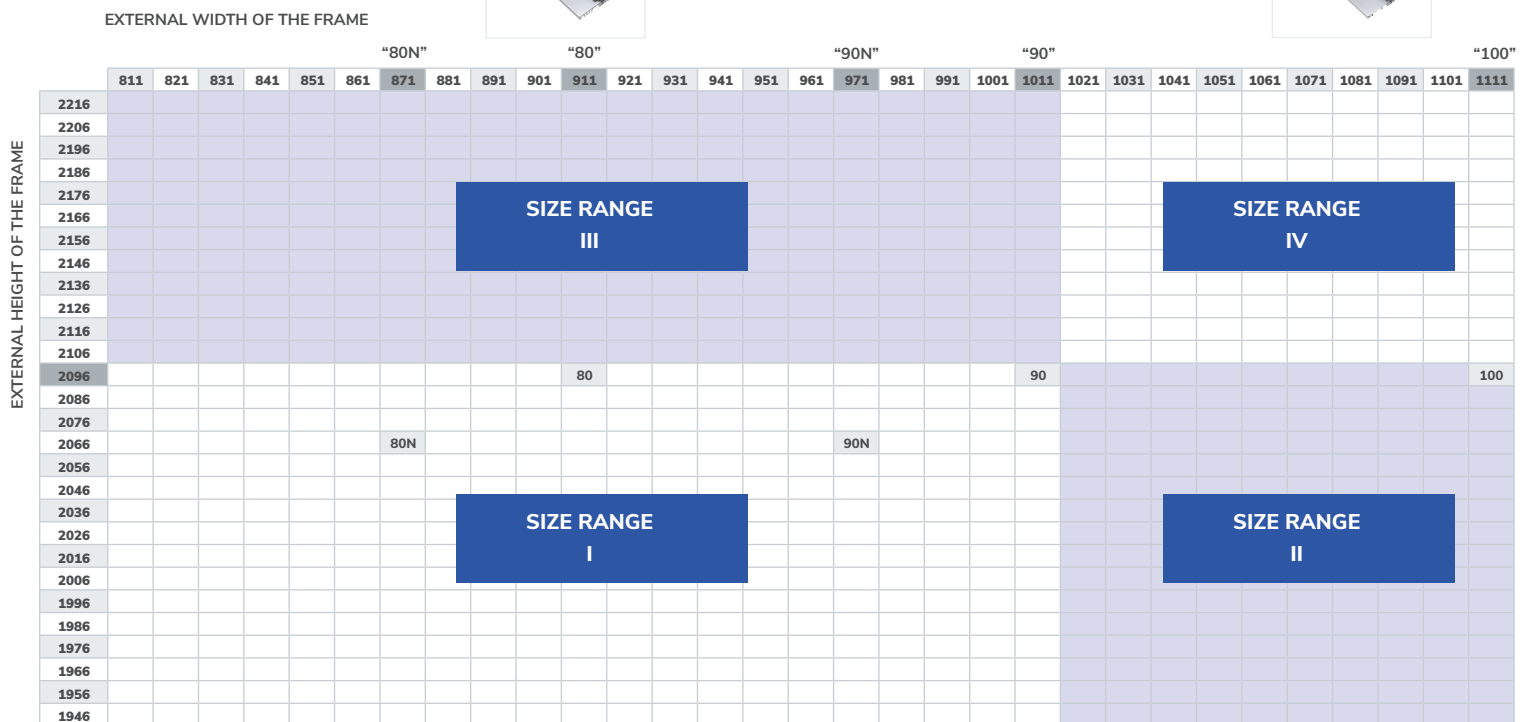
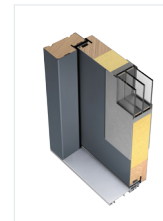
## ARKTIC MET/DREW

STANDARD: TWO 3-BOLT LOCKS  
 ROTO QB SLAT LOCK (3 LOCKS)  
 ROTO QB SLAT LOCK (4 LOCKS)  
 ENEQ ELEKTROMOTIVE SLAT LOCK



## NORDIC MET/DREW

STANDARD: TWO 3-BOLT LOCKS  
 ROTO QB SLAT LOCK (3 LOCKS)  
 ROTO QB SLAT LOCK (4 LOCKS)



Some door models, for technological reasons, may have limited size ranges. Check the sizes for each model in the configurator.

# Accessories



**STANDARD DOOR VIEWER**

\* door viewer supplied separately for self-assembly, no hole in a door.



**CYCLOP DOOR VIEWER**

\* Door viewer designed for 55 door (Optimal, Nordic, RC2, RC3). Door viewer supplied separately for self-assembly, no hole in a door



**AXA DIGITAL DOOR VIEWER**

\* door viewer supplied separately for self-assembly, no hole in a door.



**3D HINGE COVERS (STAINLESS STEEL AND BLACK)**



**THREE-WAY HINGE COVERS (STAINLESS STEEL AND BLACK)**

Covers available for 55 OPTIMAL, RC2 and RC3 doors.



**ELECTRIC DOOR STRIKE, DAY/NIGHT FUNCTION**

18-24 V AC/DC electric door strike with day/night function. Used for 90, 72,55, 42, DS doors.




**POWER SUPPLY UNIT**

If you choose a grab hand-rail with push-button or a power-connected door opener, you will need to purchase a power supply unit.



**CABLE-BOX POWER SUPPLY UNIT**

Mounted in an electrical box, with min. diameter of 70 mm. If you choose a grab hand-rail with push-button or a power-connected door opener, you will need to purchase a power supply unit.



**CONCEALED DOOR CLOSER**

ASSA ABLOY DC840 concealed door closer with locking mechanism. Employed in 72 Arctic and 90 Passive doors with aluminum frame.



**ASSA ABLOY DOOR CLOSER** 95 zł

Closer arm mounting component. Allows installation of a door closer on the inside (for outward opening doors).




**WIDENER FOR MET/DREW FRAME**

If the mounting holes are too large, it is recommended to use a frame widener. Wideners are available in two widths only for MET/DREW frame.



**WIDENER FOR ALU DOOR FRAME**

30 mm wide wideners available for doors with aluminum frames



**REINFORCEMENT FOR DOOR CLOSER**

If you purchase an arm door closer for 55 Optimal and 42 doors, it is necessary to purchase reinforcement.



**XPS CLINARITE THERMAL UNDERFRAME**

XPS and EPS-Clinarite underframe available for MET/DREW frame doors, ALU frame doors and side-lights.



**BOSTIK ADHESIVE**

Sealing assembly adhesive for thermal underframe.




**CANOPY**

It is possible to purchase a stainless steel canopy for inward opening doors. The canopy can be installed for doors that do not have an application or stainless steel frame that extends to the bottom of the leaf.



**POSITIONING PROFILE**

Positioning profile for proper installation of side-lights with the frame. Profiles available in packages of 30 pcs.



**INOX CLEANER**

Preparation for cleaning and maintenance of stainless steel.



**LETTER DROP-IN**

Letter drop-ins dedicated to 55 and 72 doors. Available in two colors: stainless steel and black.

Letter drop-ins are available on request.

If a letter drop-in is used, Martom does not declare Ud, watertightness nor air permeability for doors.

# Want to choose a grab hand-rail for your door? Be sure to read this

When choosing a door with a grab hand-rail, consider what functionalities it should have. If a door has a handle and is not locked, you can conveniently enter the house simply by pressing the handle. This is not possible in the case of a grab hand-rail. See what options are available to improve the functionality of door with a grab hand-rail.

## GRAB HAND-RAIL WITHOUT ADDITIONAL FUNCTIONALITY

If a grab hand-rail is installed in a door from the outside without additional functionality, then to get inside, a key is needed. This is inconvenient and can cause unpleasant situations involving accidental door slamming.

## GRAB HAND-RAIL USING ELECTRIC DOOR STRIKE WITH MECHANICAL DAY/NIGHT FUNCTION

The electric door strike is a component mounted on the door frame that locks the tongue of the lock. Its latch is provided with a spring. This keeps the door in the closed position, but if you pull the grab hand-rail harder, the spring gives way and the leaf can be opened. The electric door strike has a special lever that can be set in two positions commonly known as day/night positions. With the "day" setting, it is possible to open the door from the outside using the grab hand-rail. The "night" setting locks the electric door strike and then from the outside the door can only be opened with a key. To avoid unpleasant surprises, most users use the "day" setting at all times, and if they do not want an unauthorized person to enter the house, they simply lock the door. Then the functionality is analogous to that of a handle. The downside of this solution is that over time the spring wears out and the electric strike may need to be replaced.



## GRAB HAND-RAIL WITH PUSH-BUTTON

A practical solution is to choose a grab hand-rail with a button mounted on it. If the door is not locked, it is opened by holding down the button and pulling on the decorative handle. In this case, it is necessary to install a powered door opener and a power supply unit. For the period of time that the button is pressed, the electric door strike lock is released. Also in this case, the electric door opener has a day/night function. Of course, once the door is locked, there is no way to open it with the push-button. This solution is not available for many grab hand-rails.

## GRAB HAND-RAIL + PUSH-BUTTON ON THE DOOR LEAF

It works similarly to a grab hand-rail with push-button, only in this case the push-button is placed on the outer surface of the leaf. The first step is to press the push-button. This results in a one-time release of the electric door strike. Then the leaf can be opened by pulling the grab hand-rail. Each time the door is closed, the electric door strike is re-locked. This is a very practical solution — you do not need to engage both hands to open the door. In this case, it is necessary to install a special electric door strike with power supply in the door frame. The push-buttons are available in silver and black.

**SOLUTION  
RECOMMENDED BY  
MARTOM**



1308mm




## ACCESS VIA FINGERPRINT READER, CODE, PHONE

MARTOM also offers doors that can be opened using a code and fingerprint reader, but they require an automatic lock with an electric drive — read more on page 15.

# Single-sided grab hand-rails dedicated to selected models

## SINGLE-SIDED SLANTED GRAB HAND-RAILS



45°


Grab hand-rails available in lengths:

- 50 cm
- 100 cm
- 150 cm
- 170 cm

Grab hand-rails available in colors:

- inox
- black

**DIAGONAL RECTANGULAR GRAB HAND-RAILS**



45°


Grab hand-rails available in lengths:

- 50 cm
- 100 cm
- 150 cm
- 170 cm

Grab hand-rails available in colors:

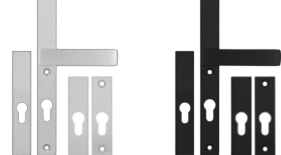
- inox
- black

**DIAGONAL ROUND GRAB HAND-RAILS**




215      225

**GAJA SLIM HANDLE BLIND**



225      235


**HAGA SLIM HANDLE BLIND**



315      355

**ROSETTE + HAGA SLIM HANDLE**

## ONE-SIDED STRAIGHT GRAB HAND-RAILS



90°


Grab hand-rails available in lengths:

- 50 cm
- 100 cm
- 150 cm
- 170 cm

Grab hand-rails available in colors:

- inox
- black

**STRAIGHT RECTANGULAR GRAB HAND-RAILS**



90°

Grab hand-rails available in lengths:

- 50 cm
- 100 cm
- 150 cm
- 170 cm

Grab hand-rails available in colors:

- inox
- black

**STRAIGHT ROUND GRAB HAND-RAILS**

**info**

Slanted grab hand-rails with a length of 150 cm and 170 cm available with a push-button. When choosing a grab hand-rail with push-button, it is necessary to use an electric door strike and a power supply unit. The selection of a handle blind or rosette depends on the model of the grab hand-rail. Check availability in the configurator.

Push-button option in the grab hand-rail is not available for straight grab hand-rails.

All grab hand-rails are available with a push-button option on the leaf.

**NO. 17** 2048 mm

Grab hand-rails dedicated to models:  
 - GS 101/65  
 - G 00

**NO. 09** 1600 mm

Grab hand-rails dedicated to models:  
 - GS 84/60 - GS 101/65  
 - GS 87/63 - G 00  
 - GS 90/63 - GV 101  
 - 1KS 95/63 - GX 102/68  
 - 1MS 96/63 - GX 103/68  
 - 1NS 98/65 - GX 104/68  
 - 1OS 99/66  
 - GS 99/66

**NO. 08** 1570 mm

Grab hand-rails dedicated to models:  
 - GS 85/61  
 - GS 86/62  
 - G 00  
 - GV 101  
 - GX 102/68  
 - GX 103/68  
 - GX 104/68

**NO. 14** 1000 mm

Grab hand-rails dedicated to models:  
 - GB 92  
 - G 00  
 - GV 101  
 - GX 102/68  
 - GX 103/68  
 - GX 104/68

**NO. 18** 1400 mm

Grab hand-rails dedicated to models:  
 - GS 84/60 - GV 101  
 - GS 99/66 - GX 102/68  
 - 1OS 99/66 - GX 103/68  
 - GB 100/67 - GX 104/68  
 - G 00

**NO. 10** 300x830 mm

Grab hand-rails dedicated to models:  
 - 1IS 88/63 - GV 101  
 - GS 88/63 - GX 103/68  
 - G 00 - GX 104/68

**NO. 12** 460x1038 mm

Grab hand-rails dedicated to models:  
 - 1JS 89/63  
 - GS 89/63  
 - G 00

**NO. 13** 170x800x170 mm

Grab hand-rails dedicated to models:  
 - GS 90/63 - GV 101  
 - G 00 - GX 104/68

**NO. 15** 830 mm

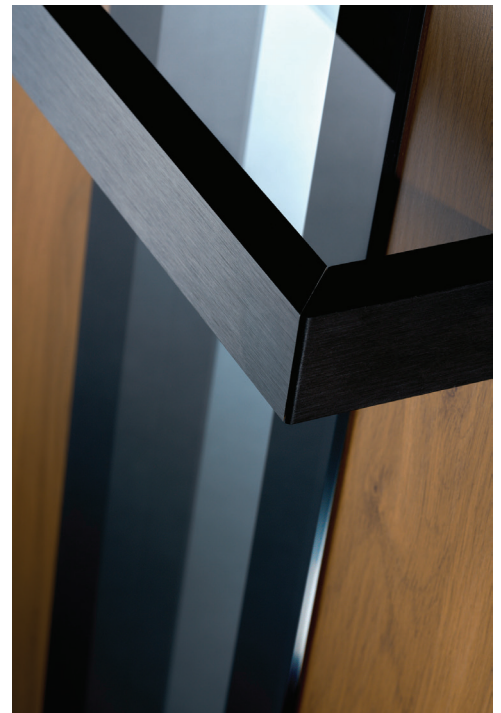
Grab hand-rails dedicated to models:  
 - GB 93  
 - G 00

**NO. 11** 460 mm

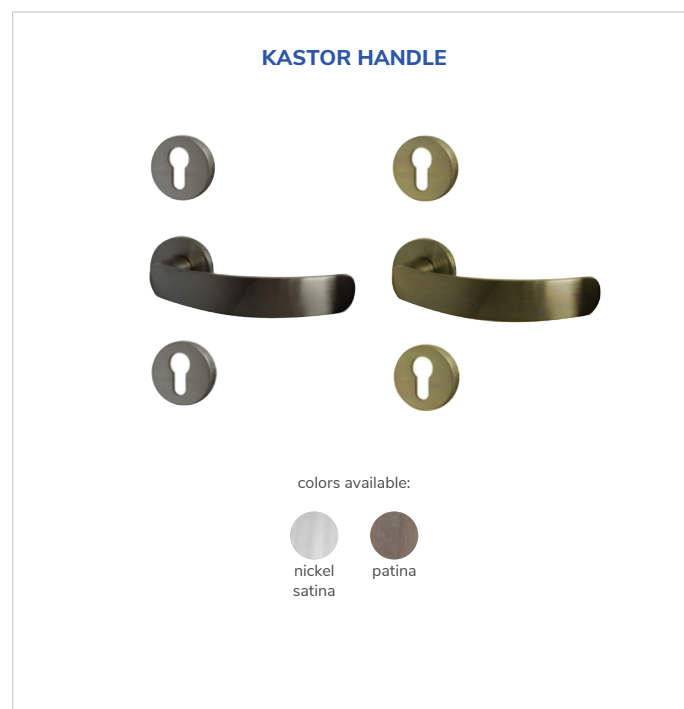
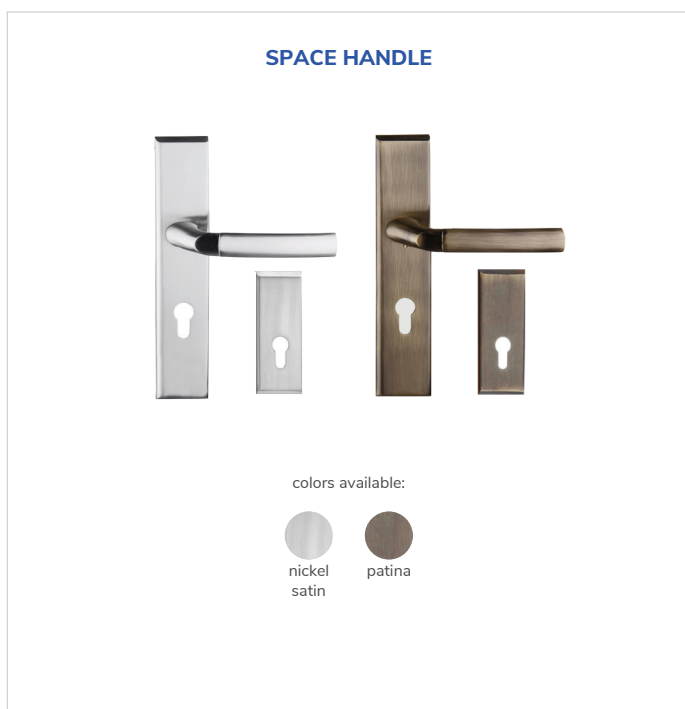
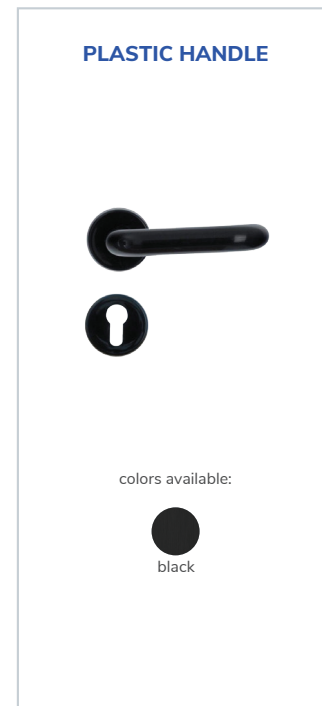
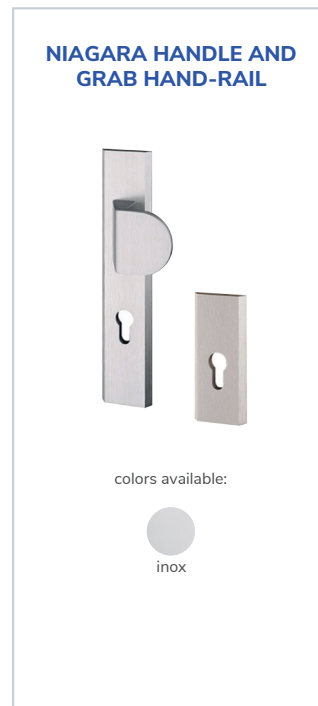
Grab hand-rails dedicated to models:  
 - GS 89/63  
 - 1JS 89/63  
 - GB 91  
 - G 00

**NO. 16** 165 mm

Grab hand-rails dedicated to models:  
 - GB 94  
 - G 00



# Accessories



## CYLINDERS

	90 PASSIVE	72 ARKTIC	55 NORDIC/OPTIMAL	55 RC2,RC3
Wilka nickel cylinder	•	•	•	
Wilka nickel 6.2.C anti-burglary cylinders	•	•	•	•
Wilka black cylinder	•	•	•	
Wilka black 6.2.C anti-burglary cylinders	•	•	•	•
Easy App mechatronic cylinders	•	•	•	

**info**

If you choose the standard with 2 locks, the cylinders are implemented in the system of 1 key (with one key you can open the upper and lower cylinder). Single cylinders available according to Customer preference: key-key or key-knob. The cylinders include 5 keys in the set.

### ROYAL HANDLE

HIT



colors available:

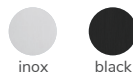


Handle dedicated to RC2, RC3 class doors.

### IMPERIAL HANDLE



colors available:



Handle dedicated to RC2, RC3 class doors.

### VERONA HANDLE



colors available:



Handle dedicated to RC2, RC3 class doors.

### HAGA HANDLE



colors available:



### RIVA HANDLE

HIT



colors available:

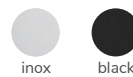


### SOLID HANDLE

anti-burglary with anti-scratch protection



colors available:



Handle dedicated to RC2, RC3 class doors.



THE CYLINDERS COME IN THREE COLORS

#### NOTE

This publication does not constitute an offer pursuant to the provisions of law and is printed for informational purposes only, without any liability.

The manufacturer reserves the right to make changes and improvements to products featured in this catalog without prior notice and reserves the right to make printing errors. Patterns and colors may differ from actual ones.

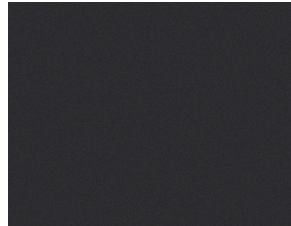
Additional information on the purpose and operation of products is featured in a product technical data sheet (warranty card).

The manufacturer provides a 24-month product warranty. For warranty terms and installation instructions, see the warranty card.

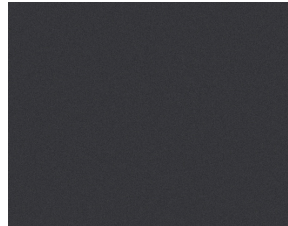
# Available door colors



**BLACK**  
orange peel texture



**SILK ANTHRACITE**  
orange peel texture



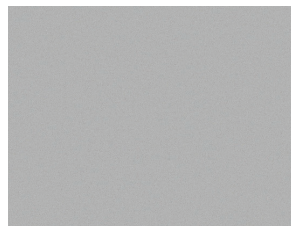
**ANTHRACITE**  
orange peel texture



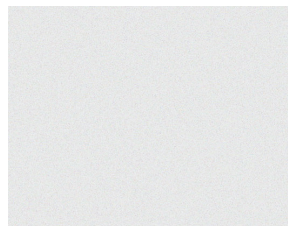
**MOLET ANTHRACITE**  
wood texture



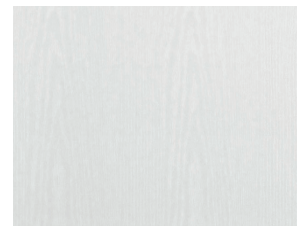
**QUARTZ ANTHRACITE**  
orange peel texture



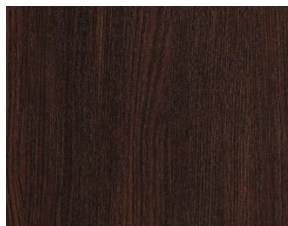
**GRAY**  
wood texture



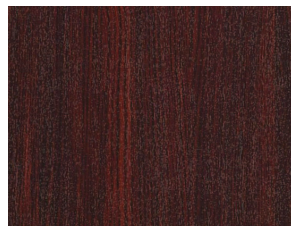
**WHITE STRUCTURE**  
orange peel texture



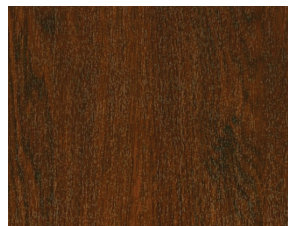
**WHITE**  
wood texture



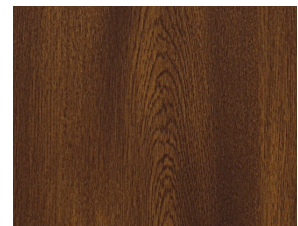
**WENGE**  
wood texture



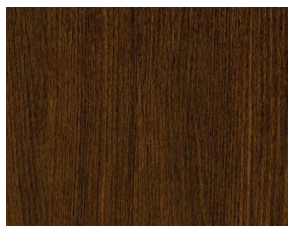
**MAHOGANY**  
wood texture



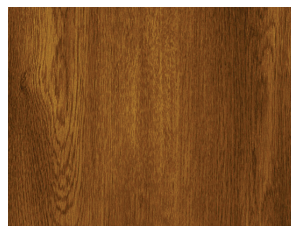
**BRAZIL NUT**  
wood texture



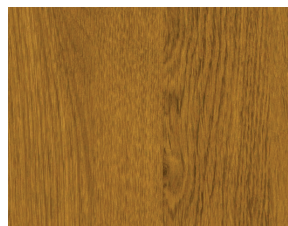
**DARK NUT**  
wood texture



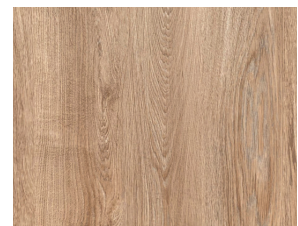
**BOG OAK**  
wood texture



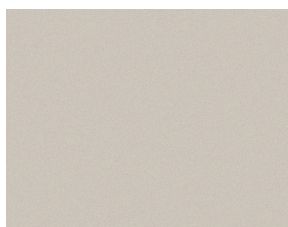
**GOLDEN OAK**  
wood texture



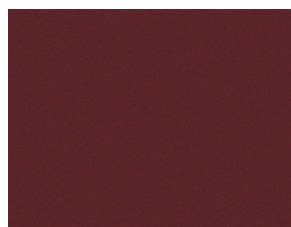
**WINCHESTER**  
wood texture



**TURNER OAK**  
wood texture



**CREAMY**  
orange peel texture



**BURGUND**  
orange peel texture