

VINYL · WOOD · ALUMINUM  
**WINDOWS · ROLLER SHUTTERS · DOORS · GARAGE DOORS**

**ENTRY  
DOORS**





All photos included in the catalogue present DAKO products used in project implementations. We would like to thank the investors for the opportunity to complete the session.

The presentation of the products in the photos is for illustrative purposes - due to the light in the photos - the actual appearance of the colors and textures of individual products may slightly differ.

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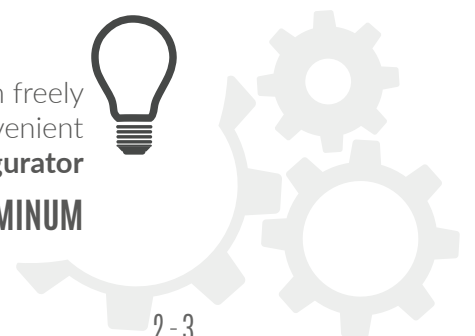




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At [www.dakowindows.com](http://www.dakowindows.com) you can freely  
modify door models using the convenient  
**online configurator**

**VINYL | WOOD | ALUMINUM**







# New definition of exclusivity

---

Demand even more:  
elegance, style and quality





# ALUMINUM INSERT PANEL DOORS



### **Modern design in line with current trends**

The construction of the overlay sash on both sides makes the door from both the outside and the inside a single flat surface.



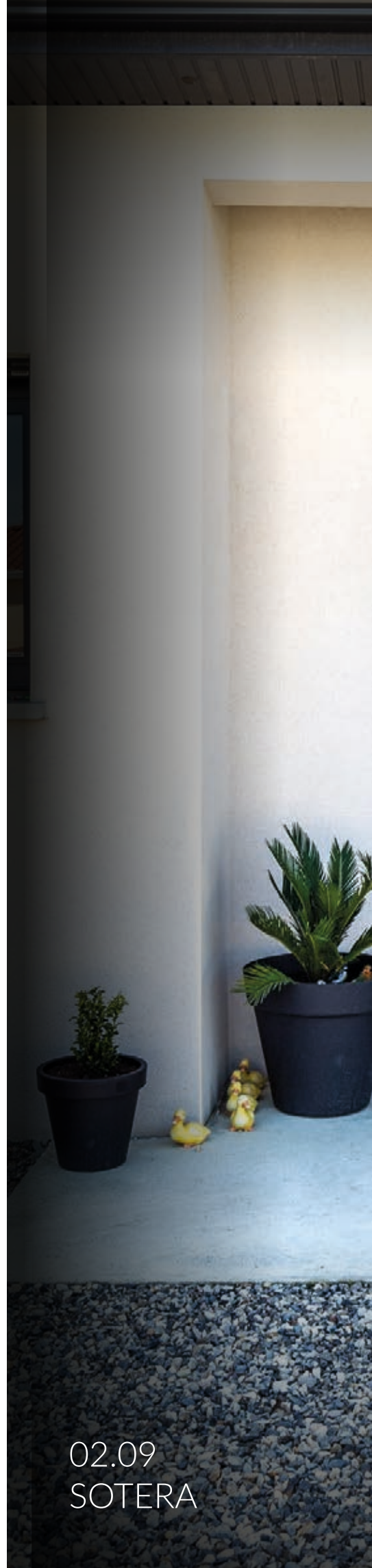
### **The highest quality guarantee**

The use of the best available materials ensures high aesthetic values of the door as well as its comfortable and reliable use.



### **A warm choice that matters**

High thermal insulation parameters guarantee a warm and comfortable interior, which is conducive to generating savings and thus become important from the point of view of environmental care.



02.09  
SOTERA













### **Unique security**

The use of additional solutions that increase safety ensures a peace of mind for residents, guaranteeing burglary resistance in RC2 or RC3 classes.



### **Modern technology**

Equipping the door with additional elements such as e.g.: fingerprint reader or code keypad allows to open the door without a key.



### **Remote control**

Custom forms of door control with a smartphone equipped with the right application are a modern alternative to traditional solutions and an ideal option for enthusiasts of technological innovations.



# Minimalism

for demanding customers



# GROUP I

Milling

# GROUP I

Entry Doors made of solid (opaque) panels. They can be equipped with decorative millings and inlays. They are characterized by a minimalist design, in line with current architectural trends.

01.01 |  
TIRANO



01.02 |  
MEVA



01.03 |  
SCALA



01.04 |  
NOEL



01.05 |  
GALLA



01.06 |  
ELIGIA





01.07  
TALA



01.08  
BONA



01.09  
AUREA



01.10  
ANDREA



01.11  
SAFIR



01.12  
CANIS





# MILLING

Gentle milling emphasizes the minimalistic design of the door.



# STAINLESS STEEL INLAY

Enriching the door with a flush inlay gives it a timeless class.





01.07  
BONA







# Simplicity

enhanced by subtle decors



## GROUP II

—  
Decors

# GROUP II

Entry Doors are made of solid panels (opaque) or translucent panels with one glass with the possibility of adding decorative milling, inlay or decors. The classic design of the projects is broken by subtle decorations.

02.01  
MAURA



02.02  
OLIMPIA



02.03  
MELA



02.04  
MELISA



02.05  
KASJOPEA



02.06  
ZOLA





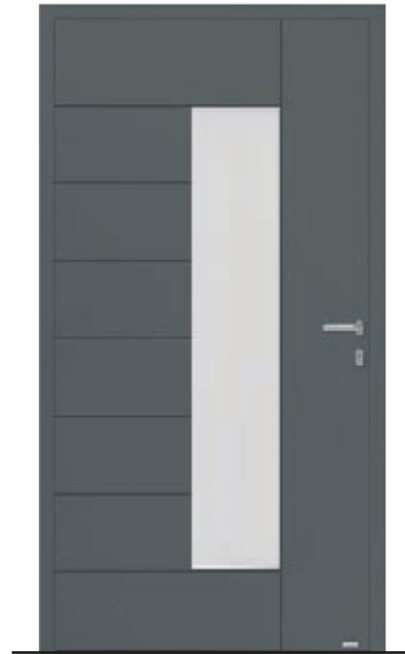
02.07  
FABIA



02.08  
SOURIS



02.09  
SOTERA



02.10  
KORA



02.11  
FELIX



02.12  
LUX





# HANDLE

A solution with a functional, rounded shape is the most popular among investors.



# CODE KEYPAD

Equipping the door with a code keypad is a convenient and functional solution for opening the door without a key.







02.09  
SOTERA









**Stylish**  
functionality

## GROUP III

Simple glazings

# GROUP III

Entry Doors made of panels decorated in milling. They have decorative glazing of various shapes that give them refined elegance.

03.01  
PERLA



03.02  
IDALIA



03.03  
OMBRA



03.04  
ARGEA



03.05  
DALIA



03.06  
ALMA





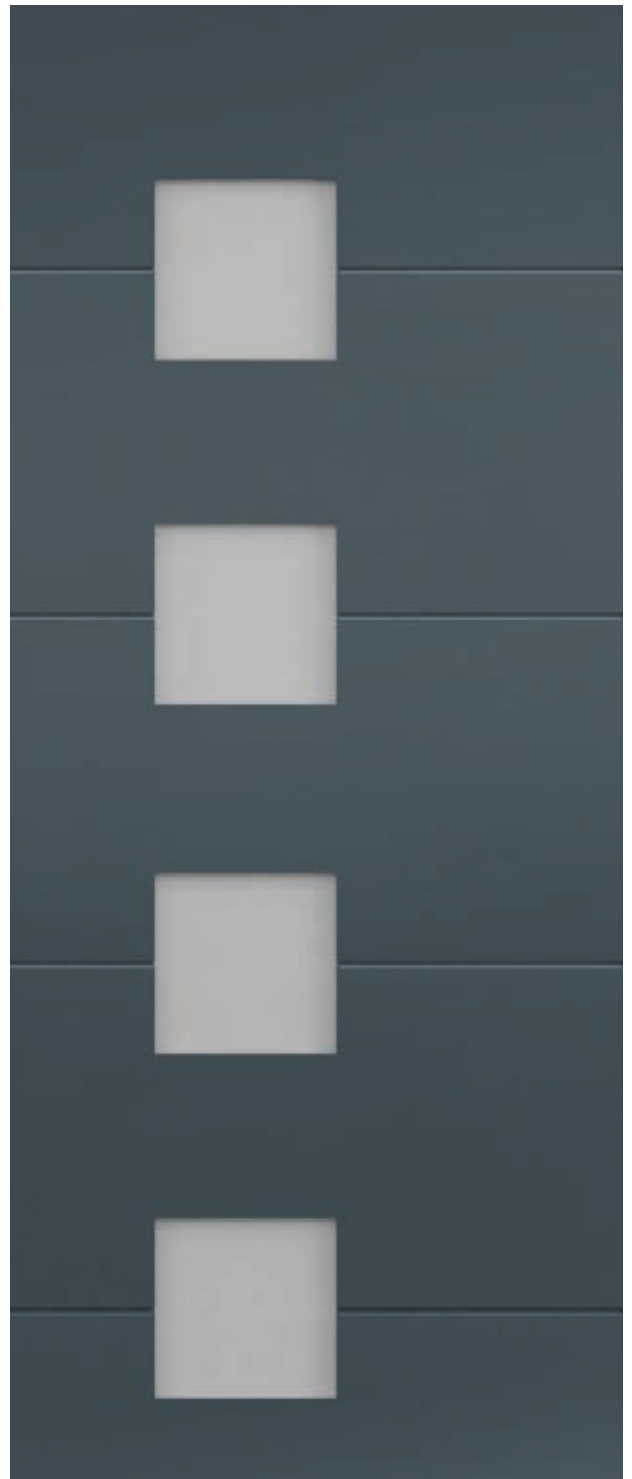


## THUMB TURN LOCK

A traditional, safe and functional solution for all door models.

## SYMMETRIC GLAZING

Decorative glazing of various shapes serves as an original decoration.





03.04  
ARGEA









**Elegance**  
without compromise

## GROUP IV

Glass  
and stainless steel

# GROUP IV

Entry Doors made of panels decorated in milling. As standard, they have decorative glass and brushed matte stainless steel application. The combination of a simple form with glazing guarantees a beautiful, elegant design.

04.01  
TAIDA



04.02  
SABANA



04.03  
RESTINGA



04.04  
KEIRA



04.05  
FEBA



04.06  
THELON





04.07  
DORA



04.08  
NICETA



04.09  
BONITA



04.10  
PECOS



04.11  
ALBA



04.12  
TULIA





# TRANSVERSE HANDLE

The customized handle performs both a practical and decorative function.

# GLAZING AND DECOR MADE OF STAINLESS STEEL

The combination of two elegant decorative elements adds class to the door.







04.01  
TAIDA









04.11  
ALBA







# Composition

of colors and textures



## GROUP V

Symmetrical  
connections



# GROUP V

Entry Doors made of panels decorated in milling. As standard, they are equipped with brushed matte stainless steel applications, rectangular glazings and decors. Unusual proposals with rich equipment, where multi-level geometry and original decorations play the main role.

05.01  
EUNIKA



05.02  
NILA



05.03  
CAURA



05.04  
ZOE



05.05  
FOTYNA



05.06  
ALLA



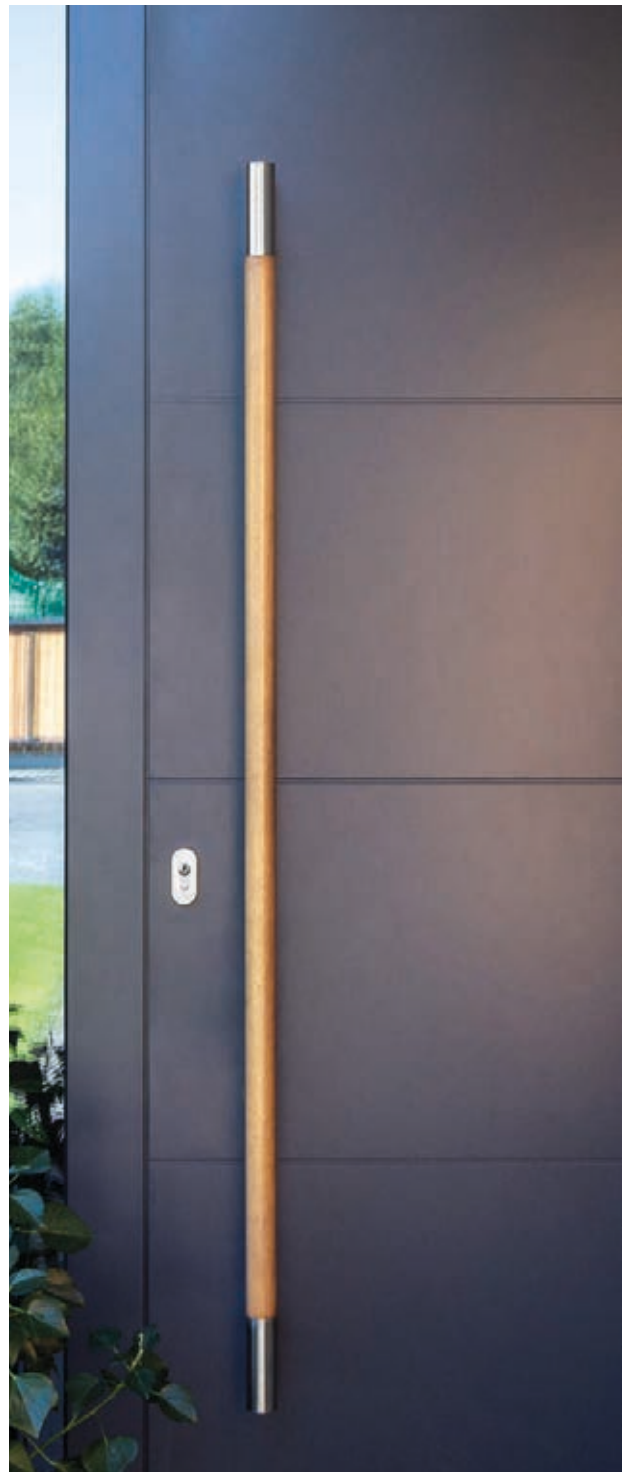


## DECORATIVE GLAZING

Sophisticated combinations of glass and subtle decors ensure an original design.

## WOODEN HANDLE

The element of natural wood harmonizes beautifully with the wooden finish of the facade.





05.05  
FOTYNA









05.02  
NILA







# Geometry

that inspires



## GROUP VI

—  
Distinctive shapes

# GROUP VI

Entry Doors made of panels decorated in milling. As standard, they are equipped with brushed matte stainless steel applications, rectangular glazing and decors. Unusual proposals with rich equipment, where multi-level geometry and original decorations play the main role.

06.01  
LILLA



06.02  
STELLA



06.03  
LIGIA



06.04  
GLORIA



06.05  
NIMFA



06.06  
OFELIA





# ARCHED HANDLE

The original handle also successfully performs utility functions.



# FINGERPRINT READER

It allows all family members to open the door with their fingerprints.



06.04  
GLORIA







06.06  
OFELIA







# Intriguing

detail



## GROUP VII

—  
Stone structure

# GROUP VII

An impressive design in harmony with nature!

A fine combination of opaque or milk glazed panels with a natural stone decor, complemented by an elegant handle made of stainless steel or wood.

07.01  
SALWIA



07.02  
PETRA



07.03  
ARIAN



07.04  
PIA



07.05  
WERA



07.06  
MERUL







## STONE TOUCH

The unobvious addition of stone decoration makes even a simple block of the building gain elegance and class.

## LACQUERED HANDLE

It allows to perfectly match the door finish with other elements of the project.







07.01  
SALWIA





# CONSTRUCTION OF Aluminum Insert Panel Doors

Due to the construction of the sash on both sides of the overlap, the door forms a flat surface with the frame - both from inside and outside.



## Frame

### STABILITY, SAFETY AND PROTECTION AGAINST COLD

Maximum energy-saving profile  
DA-90N or warm DA-77N profile

## Panel

### MODERN APPERANCE

Aluminum double-sided overlay  
panel

## Sash

### THERMAL INSULATION

Thermo-insulating polyurethane foam 2 13/16 in / 3 6/16 in (72mm/85 mm) thick. Aluminum profile with 3 1/16 in (77 mm) or 3 9/16 in (90 mm) construction thickness.

## Threshold

### PROTECTION AGAINST COLD

Aluminum threshold, with a thermal break, height of 0 13/16 in (20 mm) (DA-77N system) and 1 2/16 in (28 mm) (DA-90N system). Threshold extensions of different heights available.



# STANDARD EQUIPMENT

A solid basis for the carefully refined aesthetics of DAKO doors is the advanced equipment which guarantees warmth, safety and reliable functioning of the doors for many years.

## ESPAGNOLETTE 3-POINT AV 3

- two locking elements with a double pin
- a massive hook pin provides a high level of protection
- an additional pin guarantees optimal sash pressure against the frame
- automatic locking
- security without having to lock the door
- espagnolette lock installation at full sash height
- the fitting groove is invisible, which ensures an elegant appearance of the open door

## GLASS

**for DA-90N:** 3-chamber safety glass on both sides 33.1/20/4/18/4/20/33.1

**for DA-77N:** 2-chamber safety glass on both sides 33.1/24/6/24/33.1

## CONCEALED HINGE (CH)

color: silver

## LEVER HANDLE ON A SPLIT BACK PLATE WITH ROSETTE

standard colour: silver (F1) optional

color: white, brown, old gold (F4), joinery color, stainless steel

## INSERT

B-class burglary protection with thumb turn lock and the R1 rosette with a fob

## FIXING STRAPS

to ensure correct installation

## EXTENSION UNDER A LOW THRESHOLD

transport protection and a guarantee of stable low threshold installation

# Additional equipment

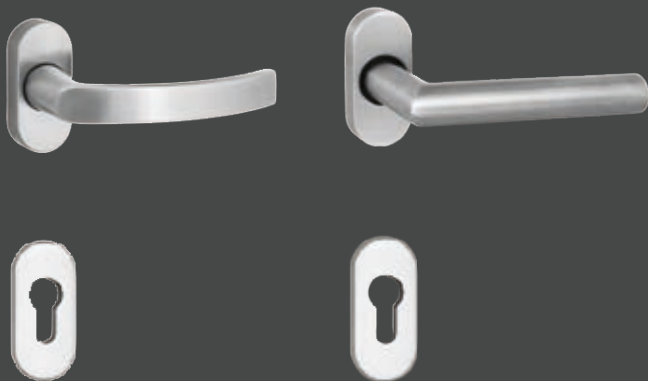
## Lever handles

A standard solution eagerly chosen by investors.

On a full backplate



On a split backplate



## Handles

Elegant and original handles are, in addition to practical functions, a decorative element. Also a wide range of possibilities allows for a perfect match to the facade and character of the building.



### LENGTH

- 22 13/16in (580 mm)
- 31 1/2in (800 mm)
- 39 3/8in (1000 mm)
- 47 1/4in (1200 mm)
- 55 1/8in (1400 mm)
- 59 1/16in (1500 mm)
- 63in (1600 mm)
- 70 14/16in (1800 mm)



P10



Q10

### LENGTH

- 22 13/16in (580 mm)
- 47 1/4in (1200 mm)
- 63in (1600 mm)



Q10D





P10D

**LENGTH**

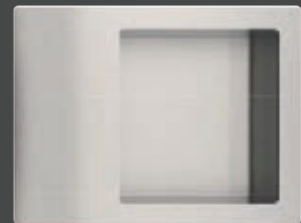
70 14/16in  
(1800 mm)  
78 12/16in  
(2000 mm)  
86 10/16in  
(2200 mm)



PS



PS-W



W10

# Glass

P2 with increased burglary resistance (1) / P4 burglary resistance (2) / Sandblasted (3) / Ornamental (4) / Reflective (5)



\* **Do you need a different glass?** Ask an advisor in the DAKO salesroom about it.

## External rosettes



## Digital door viewer





### Espagnolette function DAY/NIGHT

This function allows you to select the day or night option to secure the door.



### Fingerprint reader

Innovative door opening with a fingerprint, without the need of a key, is a convenient and functional solution for investors who value modern technologies.



### Lock inserts

Safety Class C lock insert with highest burglary resistance (basic or with thumb turn)



### Automatic closer

Provides smooth and automatic closing of door sashes



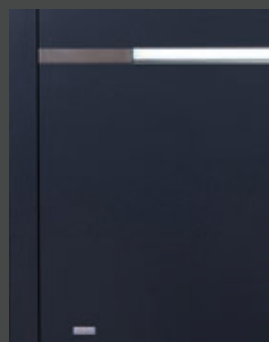
RAIL AUTOMATIC CLOSER



CONCEALED DOOR CLOSER

### Hinges

Provide smooth and automatic closing of door sashes



CONCEALED  
HINGE



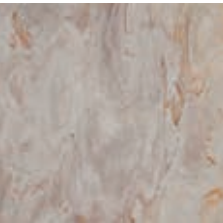


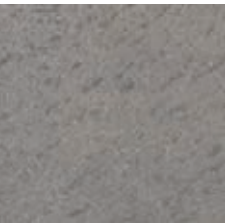
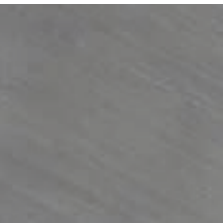

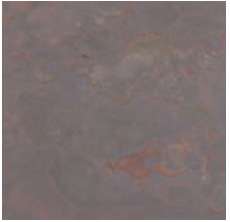


ROLLER HINGE

# Color

## Standard RAL colors

					
RAL3011	RAL5011	RAL6009	RAL7001	RAL7012	RAL9006
					
RAL7015	RAL7016	RAL9005	RAL9016	RAL8017	RAL9010

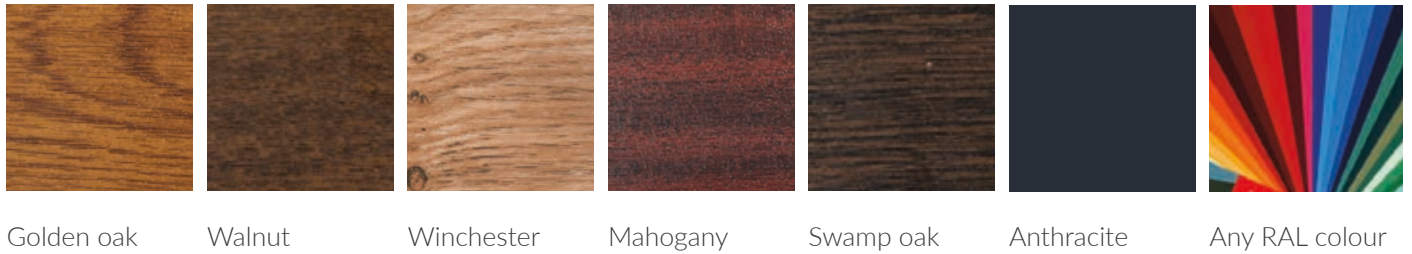
## Stone decors - available types

					
Blanco	Tan	Terra rosso*	Molto rosa	Galaxy black	D. Black
					
Cobre new	Cobre	Burning forest	Argento auro*	Rustique	Ice pearl
				<div>Custom stone decors can be used on any door model whose construction includes the use of decor.</div>	
Green pearl	Arcobaleno colore	Argento	Mare		

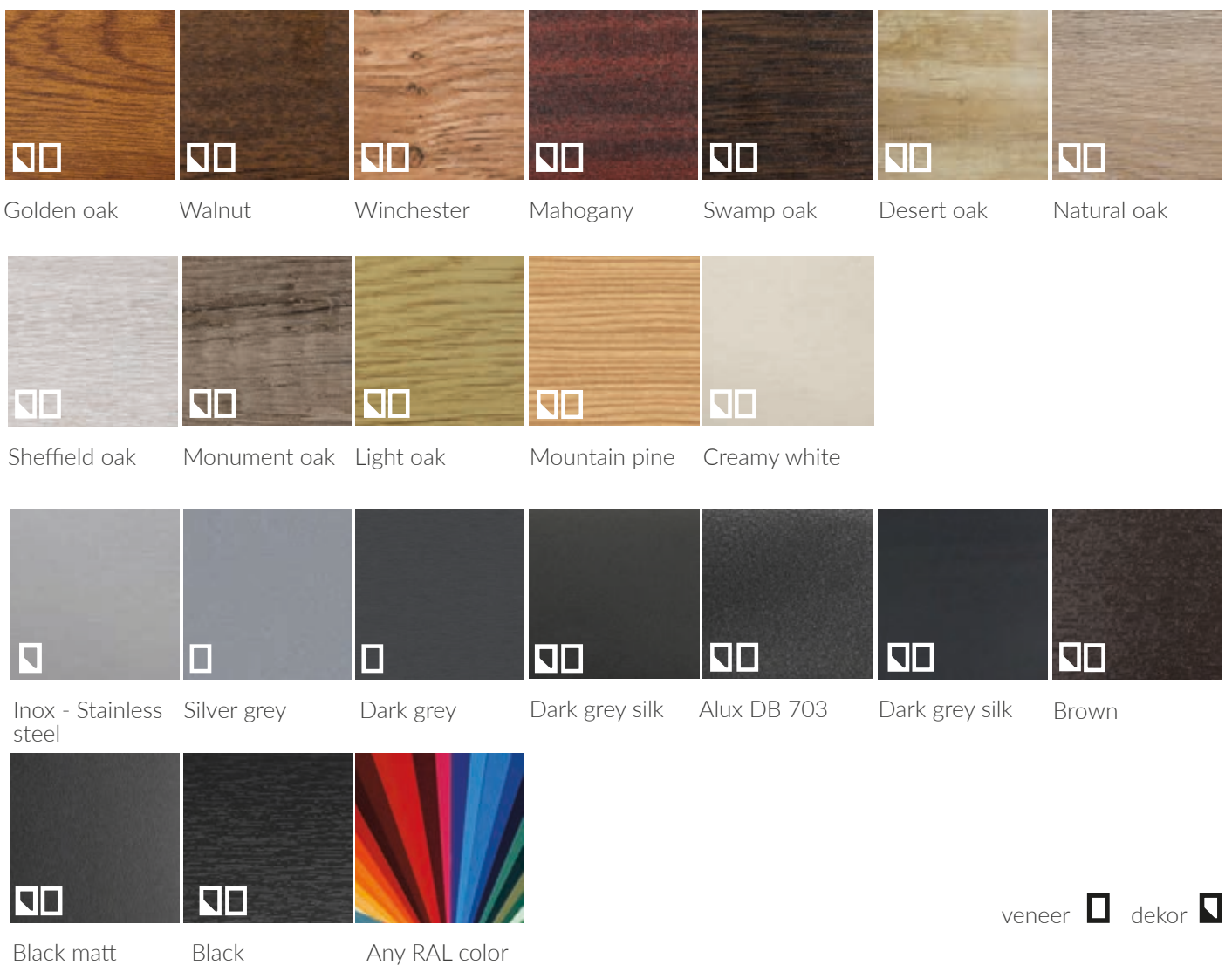
\* Available on request



## Decors - standard

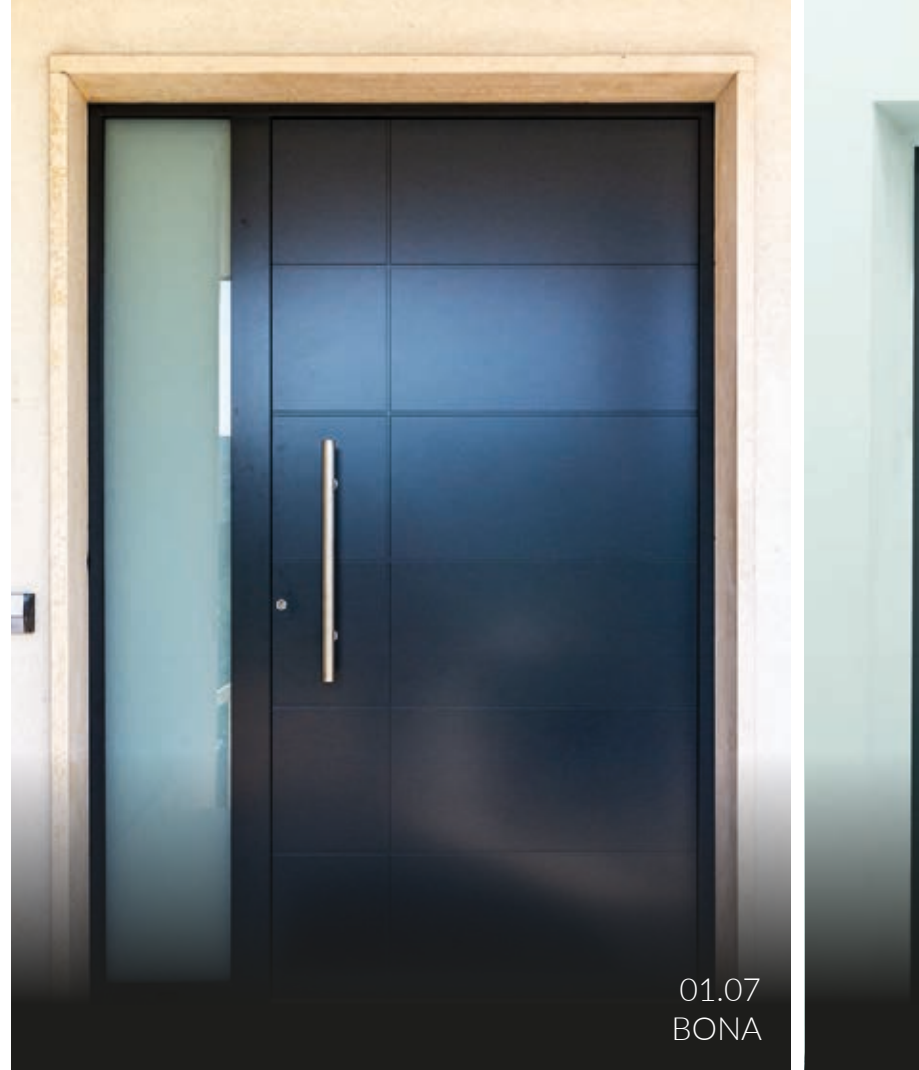


## Optional colors - veneers and decors





01.07  
TALA



01.07  
BONA

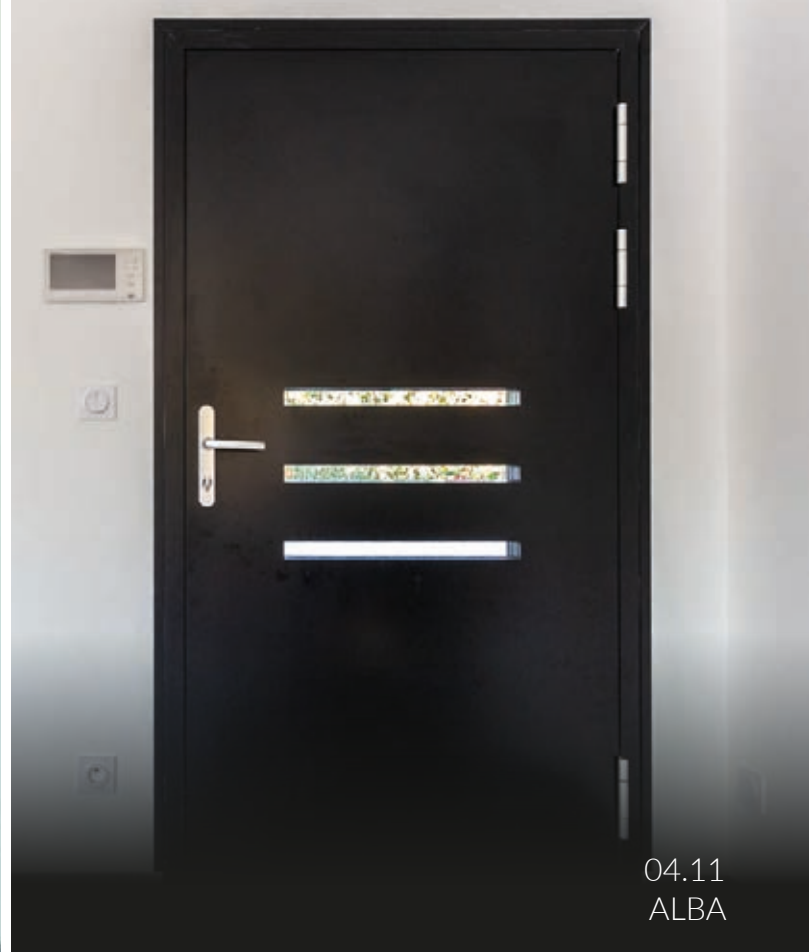
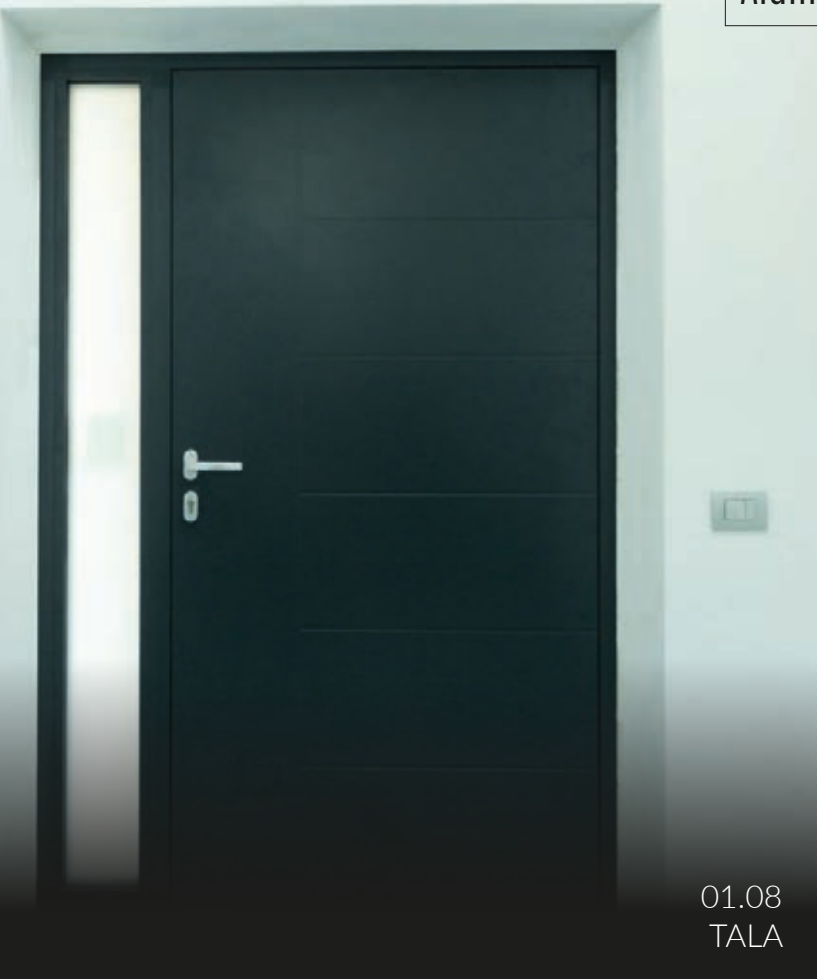


02.09  
SOTERA



04.11  
ALBA









Detailed information on available equipment options and colors of Vinyl and wooden panel doors is available at [www.dakowindows.com](http://www.dakowindows.com)



A photograph of a modern house with light-colored horizontal wood siding. The house features a dark roof with exposed wooden rafters and a metal downspout. A stone retaining wall made of large, light-colored stones runs along the side of the house. In the background, there are lush green trees and a grassy hillside. The text "PANEL DOORS ARE ALSO AVAILABLE IN A VINYL OR WOODEN VERSION" is overlaid in white, bold, sans-serif font on the right side of the image.

PANEL DOORS  
ARE ALSO AVAILABLE  
**IN A VINYL OR WOODEN  
VERSION**

# CONSTRUCTION of vinyl panel doors

The construction of the single-sided panel door is characterized by a uniform plane of the sash from the outside, which gives the door an extremely impressive and elegant appearance.



## Frame

**STABILITY AND COLD PROTECTION**

Vinyl profile with aluminum cladding DPQ 82 AL

## Panel

**MODERN APPEARANCE**

Aluminum single-sided overlay panel

## Sash

**THERMAL INSULATION**

Thermo-insulating polyurethane foam 2 3/8in (60 mm) thick

## Threshold

**COLD PROTECTION**

Aluminum threshold, with thermal break, 0 13/16in (20 mm) height.  
Available threshold extensions:  
0 5/8, 1 3/16, 1 6/16, 3 15/16in  
(15, 30, 45, 100 mm)



# Standard equipment



## 3-POINT ESPAGNOLETTE LOCK

- Two locking elements with a double pin.

Handle on a split backplate with a rosette

An additional pin guarantees the optimal pressure of the sash to the frame.

- Automatic locking
- Installation of the espagnolette lock along the entire sash height

The fitting groove is invisible, which ensures an elegant appearance of the open door.



## TRIPLE GLAZING PACKAGE

33.1/18/4/18/33.1

## LEVER HANDLE ON A SPLIT BACKPLATE WITH A ROSETTE

### Standard colors:

white or silver (depending on the door colour)

### Optional colors:

brown, silver (F1), old gold (F4), stainless steel



## INSERT

Security class C burglary protection with a key ring



## SURFACE HINGE

### Standard colors: white

Optional colors: brown, silver (F1), old gold (F4), RAL 7016 (dark grey), RAL 9005 (black)

# CONSTRUCTION of wooden panel doors

The applied constructional solutions allow the sashes to be made in a uniform plane, due to which the sash profile is invisible and constitutes a single plane from the inside and outside of the door.

WOOD SPECIES  
Meranti lite



## Frame

### STABILITY AND COLD PROTECTION

High quality, glued laminated wood with very good technological properties.

## Panel

### MODERN APPEARANCE

Wood panel on both sides

## Sash

### THERMAL INSULATION

wood with polyurethane filling, covered with modified, waterproof plywood 0 3/16in (9 mm) thick

## Threshold

### COLD PROTECTION

Low aluminum threshold with a thermal insert, height 0 13/16in (20 mm)



# Standard equipment

## Z-TF AUTOMATIC LOCKING SYSTEM

- Six locking elements

Multi-point locking provides very good pressure of the sash to the frame and a high level of security.

- Installation of the locking system along the entire sash height

The fitting groove is invisible, which ensures an elegant appearance of the open door.

## 4-GLASS PACKAGE

3 5/8in (92 mm): 4-GLASS PACKAGE  
33.1/16/4/20/4/14/33.1

3 1/16in (78 mm): 3-GLASS PACKAGE  
33.1/20/4/20/33.1

2 11/16in (68 mm): 3-GLASS PACKAGE  
33.1/14/4/16/33.1

## LEVER HANDLE ON A LONG BACKPLATE

Standard colors: brown

Optional colors:  
white, silver (F1), old gold (F4)

## INSERT

Security C class burglary protection  
with a key ring

## SURFACE HINGE

Standard colors: brown

Optional colors: white, silver (F1),  
old gold (F4)

# FRAME AND PANEL doors

## Stylish entrance in a traditional form



22 EVOL



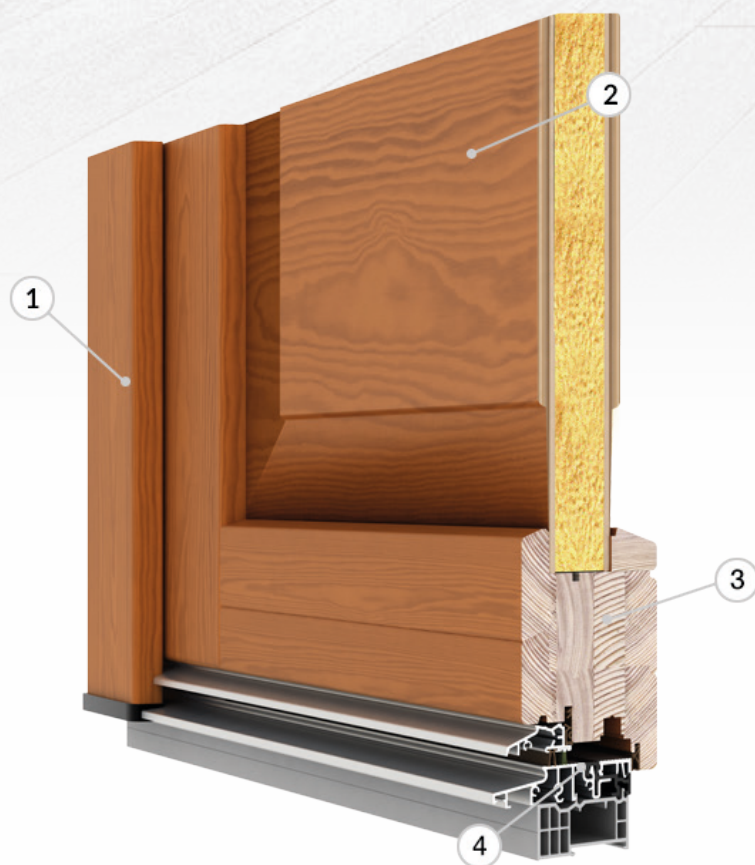
18 PARIS



23 CAMON



28 VERO



1 – Frame | 2 - Waterproof thermal insulation panel or double-glazing | 3 - Sash | 4 - Aluminum thermo threshold





17 LONDON



19 SEVILLA



24 YVOIRE



30 BRUNO

- + Aesthetics of wooden doors in a wide range of designs
- + door size upon request
- + Installation depth available in three options: 2 11/16in (68mm), 3 1/16in (78mm) and 3 5/8in (92 mm)
- + can be opened inwards and outwards



### SECURITY

- High quality wood guarantees extraordinary durability of Entry Doors and their resistance, both to external factors and to burglary attempts.



### HIGH INSULATION

- An important feature of wooden front doors is the high level of thermal insulation. Their numerous advantages also include a high level of sound insulation.



### PRESTIGE AND AESTHETICS

- High-quality glued wood is characterized by unusual aesthetics. The natural raw material and visible grain enhance the aesthetic qualities of the building, making the entrance a real showcase.



For more information on models and equipment of wooden frame and panel doors, see **[www.dakowindows.com](http://www.dakowindows.com)**

# BATCH doors

## Functional vinyl doors



3 AUREA



4 NONNA



5 GALLA



6 TARSYLIA



1 - Frame | 2 - Waterproof thermal insulation panel or double-glazing | 3 - Sash | 4 - Aluminum thermo threshold 0 13/16in (20 mm) high with thermal break to reduce freezing

**Additionally, as standard:**

transport/assembly extension 1 3/16in (30 mm) high to strengthen the threshold structure





15 DIANA



16 CHLOE



17 ENA



18 IDA

- + the optimal combination of quality and price
- + the perfect visual balance between classics and modernity
- + Wide range of patterns, colours and door equipment



## FUNCTIONALITY

- High resistance to damage and weather conditions



## THERMICS

- The choice of Vinyl doors is also a guarantee of optimal temperature, guaranteeing thermal insulation at an appropriate, high level.



## AESTHETICS

- Possibility of colour matching the appearance of the door with the appearance of Vinyl windows



For more information on models and equipment of Batch Doors, see **[www.dakowindows.com](http://www.dakowindows.com)**

# GLOSSARY

## of terms

**OVERLAY CONSTRUCTION** is a way of constructing an external door using double-sided overlays, usually made of Aluminum, whose proper fit makes the door sash, both on the inside and outside, a single flat surface. This solution guarantees the door a modern and elegant appearance.

**APPLICATION** is a decorative element mounted on the door panel made of stainless steel. The shape and appearance of the decor can be almost freely adjusted to the individual needs and design of the door.

**DECOR** is a decorative element mounted on the door panel made of painted, veneered aluminum sheet and also of stainless steel or stone veneer.

**MILLING** is a decorative element of an external door which is a defined shape and arrangement of a groove in the door panel, giving it a unique appearance.

**INLAY** is a decorative door filling made of stainless steel and flush faced with the plane of the door sash or protruding.

**LEVER DOOR HANDLE** is an element (usually in the form of a handle) used to open the door. Door handles are divided into types depending on the type of door backplate.

We distinguish between lever handles on long - longitudinal handle plates (where the handle and the keyhole are in one part) and short - so called split handle backplates (which consist of two parts, and the bottom plate has a keyhole, a cylinder or a thumb turn).

**GLAZING PACKAGE** standard solution for glazing windows and doors. Currently, the standard is to use two or three glazed packages, separated by a distance frame

and filled with noble gases. The space between two panes separated by a spacer is called a chamber. Single, double or triple chamber glazed units are available on the market.

**DOOR PANEL** is the largest share in the door surface, it decides about the appearance of the sash from the outside and inside.

**THRESHOLD** is the lower part of the door frame, located above the floor level, guaranteeing the functionality of the door and protection against the cold. As standard an Aluminum threshold with a thermal break is used in the Aluminum overlay door.

**DOOR HANDLE** is a decorative element of door equipment, replacing the regular handle and is used for opening the door.

**TRANSOM** is an additional non-opening glazed door element. The transom consists of a frame and filling, which in its entirety can be a glazing unit. The transoms can be mounted on one side of the door, on both sides and/or above it - their application allows to illuminate the interior and give the entrance a more representative character.

**DOOR SASH** is the movable, opening part of the door. It is equipped with a handle that allows the operation and control of the sash.

**DOOR FRAME** is a wall-mounted door construction element that connects it permanently to the door opening. One or several sashes are attached to the frame via hinges.

**RC (Resistance classes)**, a scale determining the level of burglary protection class for windows and doors on a six-stage scale. In the single-family building industry, products in RC2\RC3 classes are most often used.



The PN-EN 1627 standard specifies six classes of burglary resistance of construction products, including windows and doors, and specifies the methods and attempts to gain access for them. Certificates confirming increased resistance to burglary are issued by certification bodies conducting conformity assessment activities, which have active accreditation for this scope of testing.

—

**LOCK CYLINDER** is an element lock that secures access to the interior, guaranteeing the safety of the house. A key is usually used to open the cylinder

—

**DOOR LOCK** or espagnolette - the multipoint locking system is a mechanism built into the door sash. It secures access to the interior, guarantees adequate stability and security of the door.

—

**HEAT TRANSFER COEFFICIENT** is a value that indicates how much heat is lost per square meter of surface area (for example, windows or doors) in one hour if the outside air temperature is one degree lower than in the room.

The heat transfer coefficient is marked with  $U$  [W/m<sup>2</sup>K]. The lower its value, the better - the low heat transfer coefficient informs about the fact that windows and doors have good thermal insulation properties and guarantee the reduction of heat loss.

**DOOR HINGE** is a type of fitting that allows you to move the door. Hinges usually consist of two articulated parts, one of which is attached to the door sash and the other to the frame. The most commonly used solutions in this area are roller hinges, whose elements constitute a visible part of the door and concealed hinges, whose construction allows to place them in a way that makes them invisible in closed doors.

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**PANE BARS** are decorative, thin slats that divide the glass into a grid system of small panes. The most commonly used solutions in this area are Viennese pane bars, which are glued on the outside of the glass or the so-called internal pane bars, which are placed inside the glazing units.

