



WINDOWS AND TERRACE SYSTEM

PVC | ALUMINIUM

WHEN QUALITY COUNTS

PRODUCER



Poland Leader in Window & Door Technology

DRUTEX is one of Europe's largest and most advanced manufacturers of windows and doors, with over 35 years of experience and more than 11 million square feet of modern production facilities. The company delivers state-of-the-art PVC, aluminum, and wood systems to clients across the globe — including the most demanding markets like the United States, Canada, and Germany. DRUTEX sets the benchmark in energy efficiency and design innovation. With products certified by NFRC and ENERGY STAR, DRUTEX guarantees performance, durability, and regulatory compliance in the U.S. market. It's European precision — built for the world.



DISTRIBUTOR



Your Trusted U.S. Partner for Certified European Window Systems

Meta Construction is a rapidly growing U.S.-based distributor specializing in the delivery of premium DRUTEX window and door systems to the North American market. We bring together modern European design, top-tier energy performance, and full compliance with U.S. standards like NFRC and ENERGY STAR. With hands-on industry knowledge, localized support, and direct cooperation with the manufacturer, Meta Construction ensures a seamless experience from specification to installation. Whether you're building high-end residential properties or commercial spaces, we are the bridge between European innovation and American expectations.

For 20 years, we've been delivering top-quality building finishes

[Our Services](#)

FACADES | ROOFS & GUTTER | WINDOWS



WINDOWS

PVC

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TERRACE SYSTEMS

PVC

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WINDOWS

PVC | ALUMINIUM

Type window



Single window



Double window



Triple window

Opening types

Shortcut	Full Name	Description
RU	Tilt & Turn	A window that can be tilted for ventilation or fully opened inward
R	Turn	A window that opens inward fully without a tilt function
FF	Fixed Frame	A non-opening window glazed directly into the frame
U	Tilt	A window that tilts only — for top ventilation
FEST	Fixed	A permanently fixed sash — no opening (often combined with doors)
PP	Sliding	A sliding window or door (e.g., balcony or patio systems)



PVC COLOURS	22
ALUMINIUM COLOURS	23

Certificate



triple glazed
Ug = 0,6 W/(m²K)

non-flush profile

1,5 mm channel
reinforcement

2
EPDM gaskets

70 mm

5 chambers

BALCONY THRESHOLDS



optional
V-perfect weld

System DRUTEX

IGLO 5 CLASSIC

ID Windows: K1, K2, K3, K4

ID BALCONY: K13, K9, 21

Opening: **INWARDS**

Opening: **Do wewnątrz**

Opening types: **FEST, RU, R, FF, U**

Opening types: **PP, RU, FEST PROG.**

The profile has a 5-chamber structure with a 70 mm installation depth. It has steel reinforcement of the sash and frame. The window is equipped with double EPDM seal: external and internal.

Standard:

- MACO fittings with 2 anti-burglary catches
- 2-chamber glazing unit filled with argon with Ug=0,6 W(m2K)
- glazing with packages in the range of 24-40 m
- galvanized steel frame or Swisspacer Ultimate warm edge
- microventilation
- aluminum handle
- black or grey EPDM perimeter and glazing seals
- wide range of PVC veneer colors
- white profile color (brown optional)
- sash lifter (blocks incorrect handle position - depending on the window
- height)
- gasket filling the lower fitting groove
- 1,5 mm steel reinforcement of the frame and door leaf (2 mm in the case of the balcony door leaf) in the C-shaped channel reinforcement
- 5-chamber PVC window under-sill strip with a gasket
- V-Perfect welding

TECHNICAL DATA:

dB = 34-42

SOUND
INSULATION

2

EPDM
GASKETS

Uw = 0,83 W/(m²K)*

Uw for Ug=0,6 W/(m²K)
THERMAL
TRANSMITTANCE

5

NUMBER
OF CHAMBERS

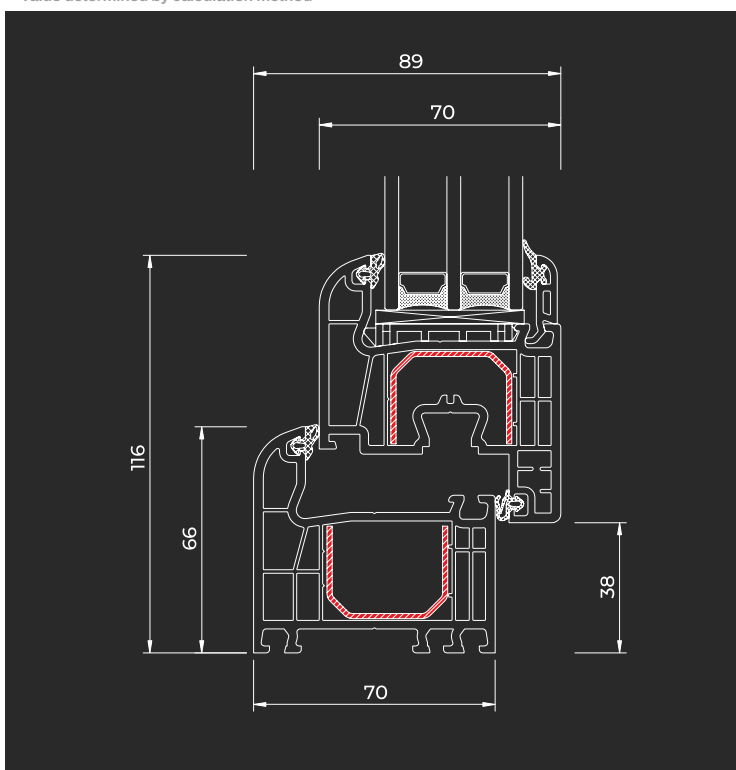
70 mm

INSTALLATION
DEPTH

A

CLASS
PROFILE

* value determined by calculation method



Certificate



triple glazed
 $U_g = 0,5 \text{ W/(m}^2\text{K)}$

non-flush profile

2 mm C-shaped channel reinforcement

2 EPDM gaskets

full reinforcement

1 foamed EPDM central gasket

82 mm

7 chambers



V-perfect weld as standard

System DRUTEX

IGLO ENERGY CLASSIC

ID: K1, K2, K3, K13, K9, K12, K21

Opening: **INWARDS**

Opening types: **FEST, RU, R, FF,**

7-chamber frame and sash profiles, with a construction depth of 82 mm.

The system is equipped with a specially designed triple seal: external and internal made of EPDM and central one made of foamed EPDM.

Standard:

- MACO fittings with 4 anti-burglary catches
- 2-chamber glazing unit filled with argon with $U_g=0,5 \text{ W/(m}^2\text{K)}$
- glazing with packages in the range of 24-52 mm (by default in a 2-chamber package 48 mm - 4/18/4/18/4)
- galvanized steel frame or Swisspacer Ultimate warm plastic edge
- microventilation
- aluminum handle
- black or grey EPDM perimeter, glazing and central seals
- wide range of pvc veneer colors
- 3 profile colors to choose from: white, brown or anthracite
- sash lifter (blocks incorrect handle position - depending on the window height)
- gasket filling the lower fitting groove
- full (closed) steel frame reinforcement, „c” shaped steel sash reinforcement
- 5-chamber PVC under-sill strip with a gasket
- V-Perfect weld as standard

TECHNICAL DATA:

dB = 36-42

SOUND INSULATION

3

EPDM GASKETS

$U_w = 0,73 \text{ W/(m}^2\text{K)}$ *

U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL TRANSMITTANCE

7

NUMBER OF CHAMBERS

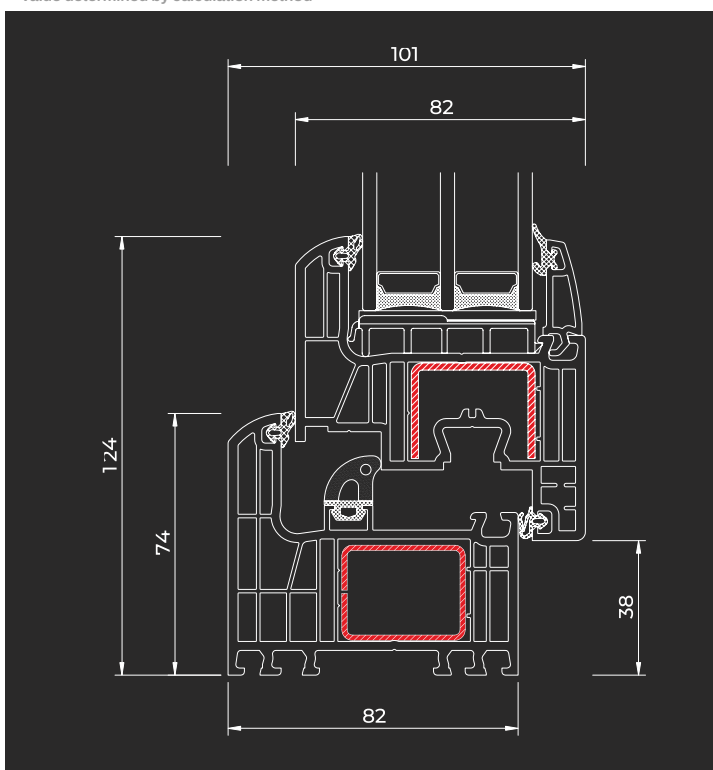
82 mm

INSTALLATION DEPTH

A

CLASS PROFILE

* value determined by calculation method



PVC WINDOWS balcony & door

Certificate



triple glazed
 $U_g = 0,5 \text{ W/(m}^2\text{K)}$

half-flush profile

2 mm C-shaped channel reinforcement

2 EPDM gaskets

full reinforcement

1 foamed EPDM central gasket

7 chambers



only traditional welding available

System DRUTEX

IGLO ENERGY

ID: K16

Opening: **OUTWARDS**

Opening types: **DOOR**

7-chamber frame and sash profiles, with a construction depth of 82 mm.

The system is equipped with a specially designed triple seal: external and internal made of EPDM and central one made of foamed EPDM.

Standard:

- MACO fittings with 4 anti-burglary catches
- 2-chamber glazing unit filled with argon with $U_g=0,5 \text{ W/(m}^2\text{K)}$
- glazing with packages in the range of 24-52 mm (by default in a 2-chamber package 48 mm - 4/18/4/18/4)
- galvanized steel frame or Swisspacer Ultimate warm plastic edge
- microventilation
- aluminum handle
- black or grey EPDM perimeter, glazing and central seals
- wide range of pvc veneer colors
- 3 profile colors to choose from: white, brown or anthracite
- sash lifter (blocks incorrect handle position - depending on the window height)
- gasket filling the lower fitting groove
- full (closed) steel frame reinforcement, „c” shaped steel sash reinforcement
- 5-chamber PVC under-sill strip with a gasket

TECHNICAL DATA:

dB = 37-46

SOUND INSULATION

3

EPDM GASKETS

$U_w = 0,71 \text{ W/(m}^2\text{K)}$ *

U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL TRANSMITTANCE

7

NUMBER OF CHAMBERS

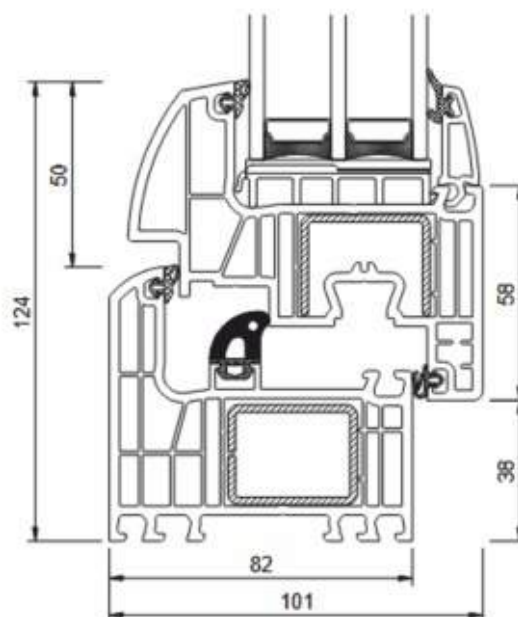
82 mm

INSTALLATION DEPTH

A

CLASS PROFILE

* value determined by calculation method



PVC WINDOWS balcony & door

Certificate



triple glazed
 $U_g = 0,6 \text{ W/(m}^2\text{K)}$

half-flush profile

1,5 mm channel
reinforcement

2
EPDM gaskets

70 mm

5 chambers



only traditional
welding available

System DRUTEX

IGLO 5

ID: K14

Opening: **OUTWARDS**

Opening types: **PP, DOOR**

The profile has a 5-chamber structure with a 70 mm installation depth. It has steel reinforcement of the sash and frame. The window is equipped with double EPDM seal: external and internal.

Standard:

- MACO fittings with 2 anti-burglary catches
- 2-chamber glazing unit filled with argon with $U_g=0,6 \text{ W(m}^2\text{K)}$
- glazing with packages in the range of 24-40 mm
- galvanized steel frame or Swisspacer Ultimate warm edge
- microventilation
- aluminum handle
- black or grey EPDM perimeter and glazing seals
- wide range of PVC veneer colors
- white profile color (brown optional)
- sash lifter (blocks incorrect handle position - depending on the window height)
- gasket filling the lower fitting groove
- 1,5 mm steel reinforcement of the frame and door leaf (2 mm in the case of the balcony door leaf) in the C-shaped channel reinforcement
- 5-chamber PVC window under-sill strip with a gasket
- V-Perfect welding



TECHNICAL DATA:

dB = 34-42

SOUND
INSULATION

2

EPDM
GASKETS

$U_w = 0,89 \text{ W/(m}^2\text{K)}$ *

U_w for $U_g=0,6 \text{ W/(m}^2\text{K)}$
THERMAL
TRANSMITTANCE

5

NUMBER
OF CHAMBERS

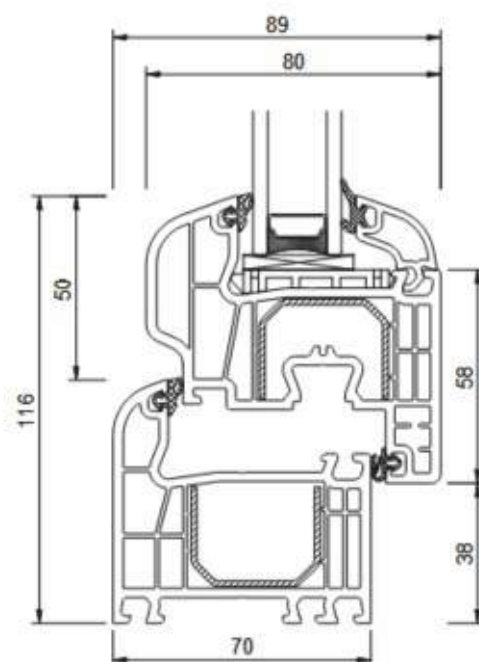
70 mm

INSTALLATION
DEPTH

A

CLASS
PROFILE

* value determined by calculation method



PVC WINDOWS balcony & door

Certificate



2-glazed units
Ug = 1,1 W/(m²K)

non-flush profile

1,5 mm „c” shaped
reinforcement

1.5 mm full reinforcement

2
EPDM gaskets

70 mm

5 chambers



option of making a
V-Perfect welding
(so-called thin
welding)

System DRUTEX

IGLO EXT

ID: K34

Opening: **OUTWARDS**

Opening types: **DOOR**

Balcony windows and doors that open outwards stand out for their modern design and excellent thermal insulation performance.

As standard, these windows have hidden fittings (invisible when closed), while balcony doors have door (surface) fittings. The Iglo EXT window and door system is ideal for those looking for modern design and high aesthetic values.

Standard:

- double-chamber glazing package Ug=1,1W/(m²K)
- concealed MACO Multi-Power fittings in the window (invisible hinges when the window is closed), door fittings on balcony windows
- or balcony doors, double roller DM20 bolt for full (airtight) locking or locking with trickle ventilation
- aluminium handle with double-sided insert
- 2-glazed (1-chamber) units infilled with argon gas with Ug = 1.1 W/(m²K)
- Swisspacer Ultimate plastic warm frame - as a free elective option
- 2 EPDM gaskets in black (external and internal)
- gasket filling the lower fittings groove
- 1.5 mm full (closed), steel, „c”-shaped frame and sash reinforcement (2 mm for balcony door sashes)
- profile core in white
- 5-chamber PVC under-sill trim with gasket

TECHNICAL DATA:

34 - 35dB*

SOUND
INSULATION

2

EPDM
GASKETS

Uw = 0,89 W/(m²K)*

Uw for Ug=1,1 W/(m²K)
THERMAL
TRANSMITTANCE

5

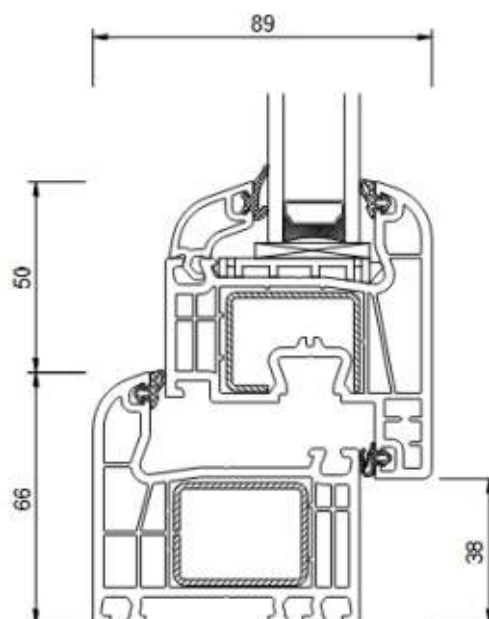
NUMBER
OF CHAMBERS

70 mm

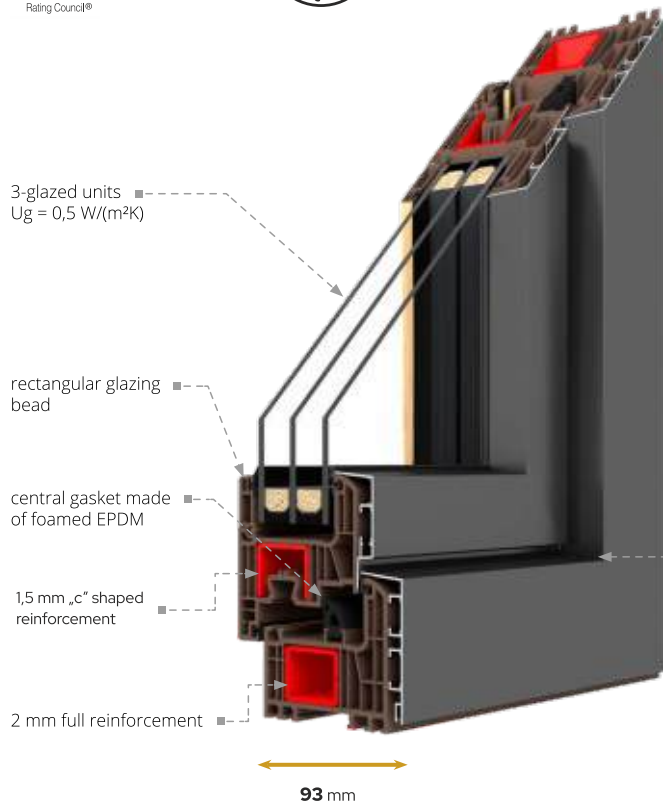
INSTALLATION
DEPTH

A

CLASS
PROFILE



Certificate



System DRUTEX

IGLO ENERGY ALUCOVER

ID: K23, K24, K25, K26

Opening: **INWARDS**

Opening types: **FEST, RU, R; FF, U**

Experience the fusion of cutting-edge thermal insulation performance and contemporary design with Iglo Energy Alucover. Embrace boundless creativity with an extensive palette of colors, empowering you to fashion a unique and personalized style for every interior or building facade.

Standard:

- MACO MULTI-MATIC KS fittings with 4 anti-theft strikers with Silber-Look anticorrosion coating for long-lasting protection and smooth operation of the fitting
- sash lifter (lifting mishandling device - depending on window height)
- microventilation in tilt and turn windows
- hinge covers in 4 colours: white, silver, light brown, brown
- Dublin window handle
- 3-glazed (2-chamber) units infilled with argon gas, with $U_g = 0.5 \text{ W/(m}^2\text{K)}$
- Swisspacer Ultimate edge
- rectangular glazing bead
- V-Perfect weld
- 2 EPDM gaskets (external and internal) + 1 central gasket made of foamed EPDM, gaskets available in black
- gasket filling the lower fittings groove
- 2 mm full (closed) steel frame reinforcement, „c” shaped steel sash reinforcement
- RAL matt varnish
- Lackierung RAL matt
- 5-chamber PVC under-sill trim with gasket

TECHNICAL DATA:

36 - 42dB*

SOUND
INSULATION

3

EPDM
GASKETS

$U_w = 0,76 \text{ W/(m}^2\text{K)}$ *

U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL
TRANSMITTANCE

7

NUMBER
OF CHAMBERS

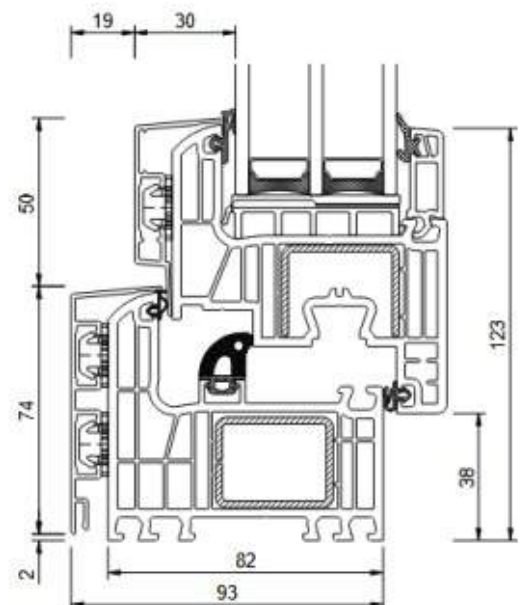
93 mm

INSTALLATION
DEPTH

A

CLASS
PROFILE

* value determined by calculation method

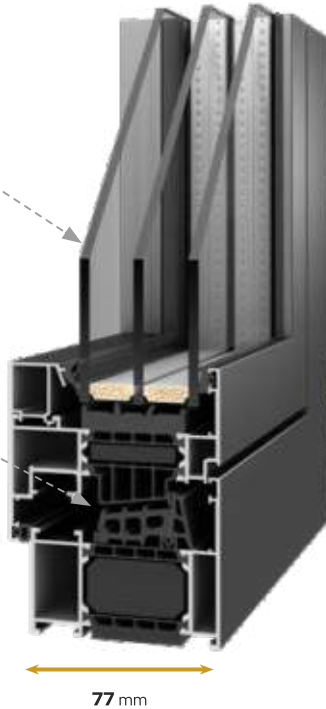


Certificate



optional 3-glazed units
 $U_g = 0,5 \text{ W/(m}^2\text{K)}$

central gasket



System DRUTEX

MB-86N SI

ID: K28, K29, K30, K31,

ID DOOR: K33

Opening: **INWARDS**

Opening: **INWARDS / OUTWARDS**

Opening types: **FEST, RU, R; FF, U**

Opening types: **DOOR**

MB-86N SI aluminium windows stand out for their excellent thermal insulation parameters and modern design. Over 200 colours to choose from and numerous additional options allow you to fully customise your windows.

This window system can also be fitted with Smart Home solutions.

Standard:

- MACO MULTI-MATIC KS fittings with 2 anti-theft strikers with Silber-Look anticorrosion coating for long-lasting protection and smooth operation of the fitting
- sash lifter (lifting mishandling device - depending on window height)
- microventilation in tilt and turn windows
- hinge covers in 3 colours: white, silver, brown
- aluminium handle
- 2-glazed (1-chamber) units infilled with argon gas with $U_g = 1.1 \text{ W/(m}^2\text{K)}$
- glass-pane spacer made of galvanised steel
- 1 EPDM gaskets + 1 central gasket made of foamed EPDM, gaskets available in black
- RAL matt color: white (9016), anthracite (7016)

TECHNICAL DATA:

3

EPDM
GASKETS

$U_w = 0,76 \text{ W/(m}^2\text{K)}$ *

U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL
TRANSMITTANCE

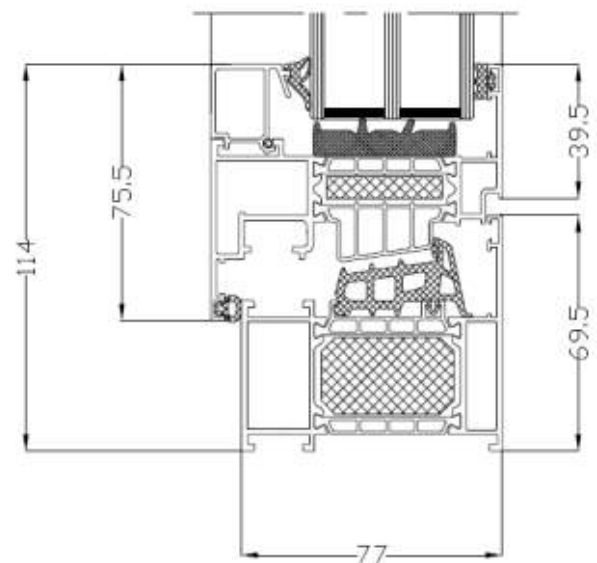
3

NUMBER
OF CHAMBERS

77 mm

INSTALLATION
DEPTH

* value determined by calculation method

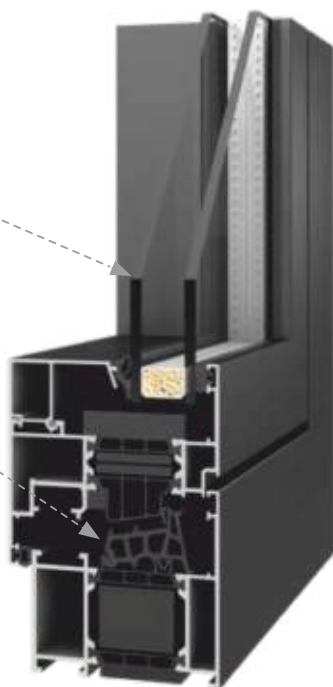


Certificate



optional 3-glazed units
 $U_g = 0,5 \text{ W/(m}^2\text{K)}$

central gasket



70 mm

TECHNICAL DATA:

2

EPDM
GASKETS

$U_w = 0,81 \text{ W/(m}^2\text{K)}$ *

U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL
TRANSMITTANCE

3

NUMBER
OF CHAMBERS

70 mm

INSTALLATION
DEPTH

* value determined by calculation method



System DRUTEX

MB-79N SI

ID: K28, K29, K30, K31,

ID DOOR: K33

Opening: **INWARDS**

Opening: **INWARDS / OUTWARDS**

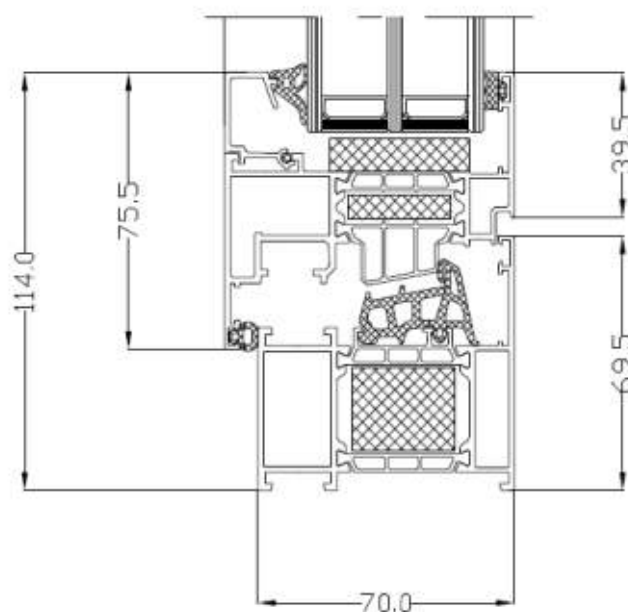
Opening types: **FEST, RU, R; FF, U**

Opening types: **DOOR**

The new line of aluminium windows with increased thermal insulation, equipped with insulating inserts and a two-component central gasket, will ensure lower heating bills. The modern design with over 200 colours combined with many additional options will satisfy the most demanding customers.

Standard:

- MACO MULTI-MATIC KS fittings with 2 anti-theft strikers with Silber-Look anticorrosion coating for long-lasting protection and smooth operation of the fitting
- sash lifter (lifting mishandling device - depending on window height)
- microventilation in tilt and turn windows
- hinge covers in 3 colours: white, silver, brown
- aluminium handle
- 2-glazed (1-chamber) units infilled with argon gas with $U_g = 1.1 \text{ W/(m}^2\text{K)}$
- glass-pane spacer made of galvanised steel
- 1 EPDM gaskets + 1 central gasket made of foamed EPDM, gaskets available in black
- RAL matt color: white (9016), anthracite (7016)



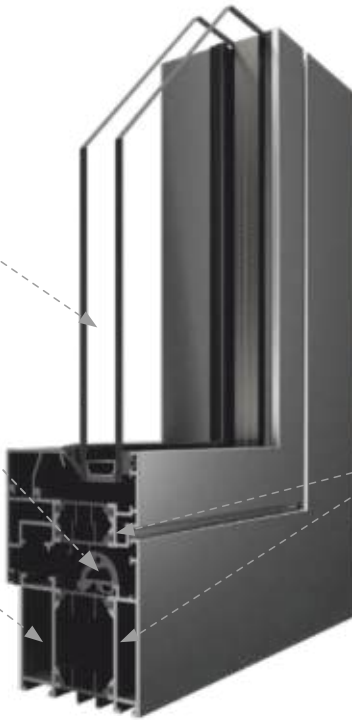
Certificate



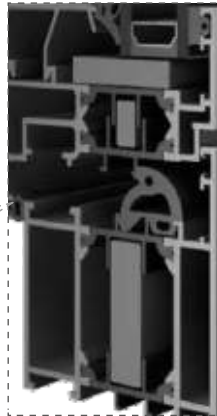
2-glazed units
Ug = 1,1 W/(m²K)

central gasket
made of foamed EPDM

over 200 colours



specialy designed
insulation inserts



System DRUTEX

MB-70HI

ID: K46, K37

Opening: **INWARDS**

Opening types: **FEST, RU,**

Aluminium windows made using this system can be used in both individual buildings and aluminium facades. The lightweight and durable construction ensures a high level of comfort for many years of use.

Standard:

- MACO MULTI-MATIC KS fittings with 2 anti-theft strikers with Silber-Look anticorrosion coating for long-lasting protection and smooth operation of the fitting
- sash lifter (lifting mishandling device - depending on window height)
- microventilation in tilt and turn windows
- hinge covers in 3 colours: white, silver, brown
- aluminium handle
- 2-glazed (1-chamber) units infilled with argon gas with Ug = 1.1 W/(m²K)
- glass-pane spacer made of galvanised steel
- 1 EPDM gaskets + 1 central gasket made of foamed EPDM, gaskets available in black
- RAL matt color: white (9016), anthracite (7016)
- Lackierung RAL matt
- 5-chamber PVC under-sill trim with gasket

TECHNICAL DATA:

3

EPDM
GASKETS

Uw = 0,96 W/(m²K)*

Uw for Ug=1,1 W/(m²K)
THERMAL
TRANSMITTANCE

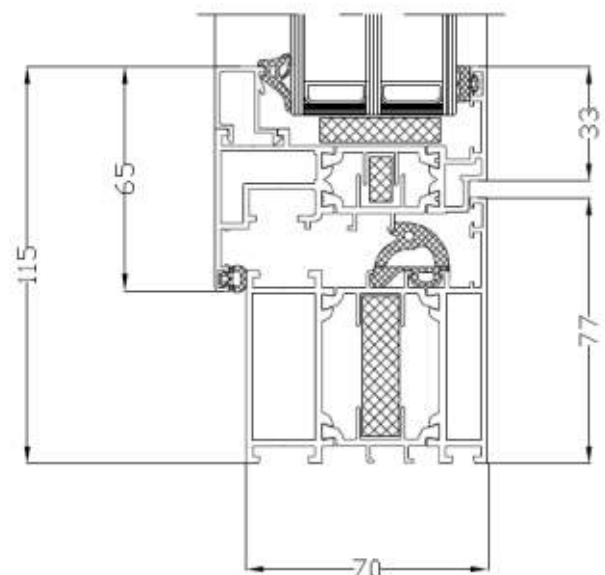
3

NUMBER
OF CHAMBERS

70 mm

INSTALLATION
DEPTH

* value determined by calculation method





TERRACE SYSTEMS

PVC | ALUMINIUM

Certificate



full steel reinforcement

non-flush profile

2 mm „c”-shaped steel reinforcement

triple glazing package
 $U_g = 0,5 \text{ W/(m}^2\text{K)}$

2 gaskets EPDM

7 chambers

1 central gasket made out of foamed EPDM

82 mm

V-Perfect weld in standard



bottom and top rail cover available in 4 colors

System DRUTEX

IGLO ENERGY CLASSIC PSK

ID: K17

Opening: **SLIDING**

Opening types: **SUWANKA**

7-chamber frame and sash profiles made exclusively of primary material in Class A, with an installation depth of 82 mm. The system includes a triple gasket, with a central gasket made of foamed EPDM.

Standard:

- MACO SKB-S System Standard fittings for window sashes weighing up to 160 kg
- 3-glazed (2-chamber) units infilled with argon gas, with $U_g = 0.5 \text{ W/(m}^2\text{K)}$
- profile core in white
- galvanised steel glass-pane spacer optional
- Swisspacer Ultimate glass-pane spacer
- 2 EPDM gaskets in black (external and internal) + 1 central gasket made of foamed EPDM, gaskets available in black
- gasket filling the lower fittings groove
- 2 mm full (closed) steel frame reinforcement, „c”-shaped steel sash reinforcement
- aluminium handle
- rail cover available in 4 colours: silver, white, light brown and brown
- 5-chamber PVC under-sill trim with a gasket

TECHNICAL DATA:

3
EPDM
GASKETS

$U_w = 0,66 \text{ W/(m}^2\text{K)}^*$
 U_w for $U_g = 0,5 \text{ W/(m}^2\text{K)}$
THERMAL TRANSMITTANCE

7
NUMBER
OF CHAMBERS

82 mm
INSTALLATION
DEPTH

24-52 mm
GLASS
PACKAGES

A
CLASS
PROFILE

* value determined by calculation method



Certificate



System DRUTEX

IGLO 5 CLASSIC PSK

ID: K12

Opening: **SLIDING**

Opening types: **SUWANKA**

5-chamber frame and sash profiles made exclusively of primary material in Class A, with an installation width of 70 mm with a double gasket: external, internal with EPDM

Standard:

- MACO SKB-S System Standard fittings for window sashes weighing up to 160 kg
- 2-glazed (1-chamber) units infilled with argon gas with Ug = 1.1 W/(m²K)
- Rail cover available in 4 colours: silver, white, light brown and brown
- profile core in white
- galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer
- frame profile height 75 mm
- 2 EPDM gaskets in black (external and internal)
- gasket filling the lower fittings groove
- 1.5 mm full (closed) steel frame reinforcement, 2 mm „c”-shaped steel sash reinforcement
- aluminium handle, available with key option
- 5-chamber PVC under-sill trim with gasket
- V-Perfect weld as standard

TECHNICAL DATA:

2
EPDM
GASKETS

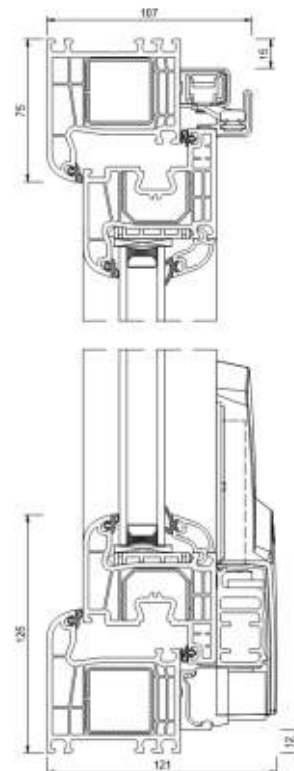
Uw = 0,81 W/(m²K)*
Uw for Ug=0,6 W/(m²K)
THERMAL TRANSMITTANCE

5
NUMBER
OF CHAMBERS

24-52 mm
GLASS
PACKAGES

A
CLASS
PROFILE

* value determined by calculation method



PVC TERRACE systems

Certificate



reinforcement with thermal breaks

full 2 mm steel reinforcement

triple glazed
 $U_g = 0,5 \text{ W/(m}^2\text{K)}$

spacer galvanized steel

3 mm „c”-shaped steel reinforcement

2
EPDM gaskets



System DRUTEX

IGLO HS

ID: K10

Opening: **SLIDING**

Opening types: **TYP A / TYP C**

An ideal solution to create trendy, large-size terrace and balcony glazing to give interiors a unique feel.

With its extremely durable structure, this terrace system supports leaves up to 400 kg. A low aluminium threshold that can be hidden in the floor adds to its excellent functionality.

Standard:

- G-U lift and slide fittings with 3 locking bolts
- micro-ventilation striker
- aluminium handle on the inside, recessed grip on the outside
- 3-glazed (2-chamber) units infilled with argon gas, with $U_g = 0.5 \text{ W/(m}^2\text{K)}$
- Swisspacer Ultimate plastic warm frame - as a free elective option
- internal velour gasket, external EPDM and brush gasket in black
- frame reinforcement made of high quality aluminium sections with thermal breaks, sash reinforcement: top and vertical - full (closed) steel, 2 mm thick; bottom - steel, channel-shaped, 3 mm thick
- profile core in white
- system carts with a load capacity of 300 kg
- PVC low threshold with aluminium reinforcement and overlay



V-Perfect weld as standard



TECHNICAL DATA:

3
EPDM
GASKETS

$U_w = 0,71 \text{ W/(m}^2\text{K)}$ *
 U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL TRANSMITTANCE

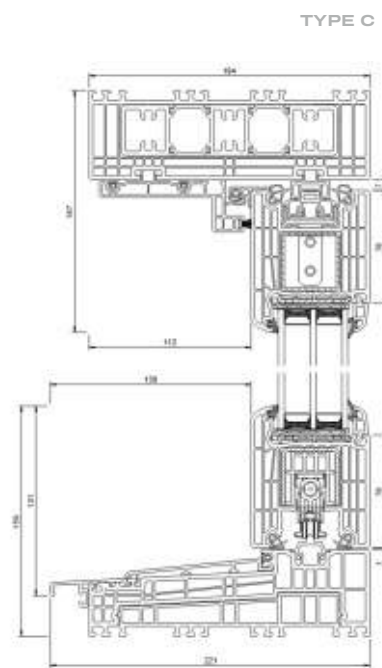
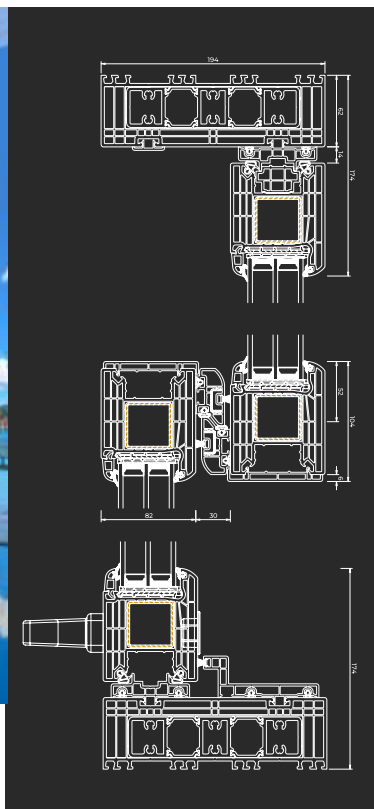
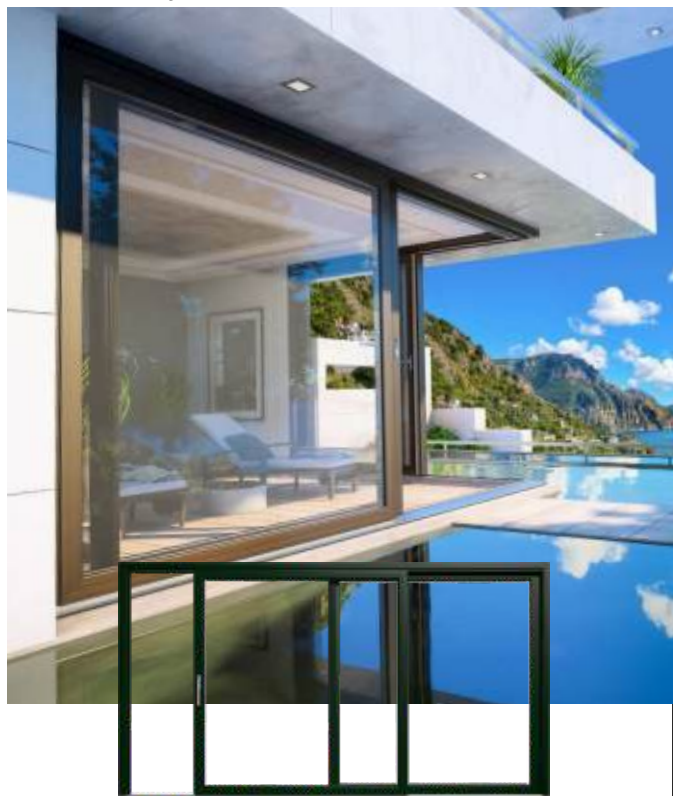
7
NUMBER
OF CHAMBERS

194 mm
INSTALLATION
DEPTH

24-52 mm
GLASS
PACKAGES

A
CLASS
PROFILE

* value determined by calculation method



Certificate



System DRUTEX

IGLO SLIDE

ID: K22

Opening: **SLIDING**

Opening types: **TYP C**

The system is designed for producing terrace doors and sliding windows. Thanks to the application of the latest technological solutions, it ensures high comfort of use and durability for many years. It is ideal for rooms where the use of traditional window and door solutions is not possible. IGLO SLIDE is dedicated for locations where high thermal insulation parameters are not required.



Standard:

- Siegenia System Fittings with Height-adjustable Carts
- 3 types of aluminium handles
- 24 mm Glazing Package, 2-glazed (1-chamber) Filled with Argon, with $U_g = 1,1 \text{ W/(m}^2\text{K)}$
- Galvanised Steel Spacer
- V-perfect eld
- Brush Sealing
- Black Gaskets
- 2 mm Steel Reinforcement for Frame and Sash



only V-Perfect welding available (so-called thin welding)

2-glazed Package
 $U_g = 1,1 \text{ W/(m}^2\text{K)}$

2 mm Steel Reinforcement
for Frame and Sash

TECHNICAL DATA:

3
EPDM
GASKETS

$U_w = 0,71 \text{ W/(m}^2\text{K)}$ *
 U_w for $U_g=0,5 \text{ W/(m}^2\text{K)}$
THERMAL TRANSMITTANCE

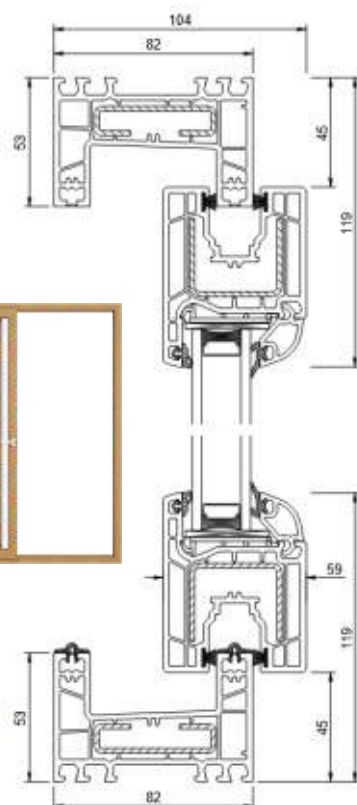
7
NUMBER
OF CHAMBERS

82 mm
INSTALLATION
DEPTH

2-36 mm
GLASS
PACKAGES

A
CLASS
PROFILE

* value determined by calculation method



TYPE C

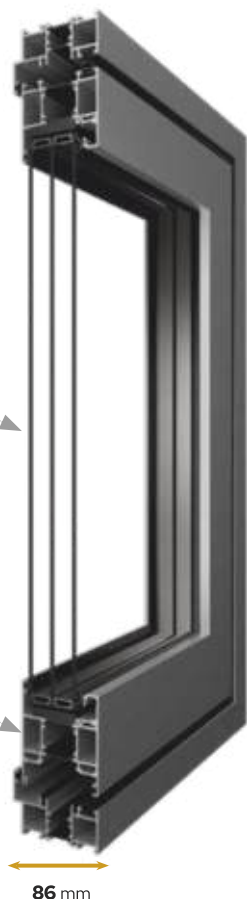
Certificate



optional 3-glazed units
Ug = 0,5 W/(m²K)



over 200 colours



86 mm

System DRUTEX

MB-86 Fold Line

ID: K27

Opening: **SLIDING**

Opening types: **ND**

This unique folding system will be ideal for rooms that require large-size glazing such as balconies or terraces. Featuring the latest technological solutions, the system stands out for not only very good thermal insulation but also remarkable durability.

Standard:

- system fittings
- hinge covers in 3 colours: white, silver, black
- aluminium handle
- 3-glazed (2-chamber) units infilled with argon gas, with Ug = 0.5 W/(m²K)
- glass-pane spacer made of galvanised steel
- 2 EPDM gaskets (external and internal), gaskets available in black
- RAL matt color: white (9016), anthracite (7016)

TECHNICAL DATA:

2
EPDM
GASKETS

Uw = 1,1 W/(m²K)*
Uw for Ug=0,5 W/(m²K)
THERMAL TRANSMITTANCE

3
NUMBER
OF CHAMBERS

86 mm
INSTALLATION
DEPTH

13-61 mm
GLASS
PACKAGES

* value determined by calculation method





ADDITIONAL OPTIONS

PVC COLOURS | ALUMINIUM COLOURS | HANDLES | GLASS FITTINGS
BALCONY THRESHOLDS | INSECT SCREENS

ADDITIONAL OPTIONS

PVC COLOURS

The rich color palette of window systems allows for almost unlimited possibilities of matching the color to the personal needs and preferences of customers. The excellent quality of the veneers used during production guarantees the highest quality and durability of the color for many years.

REFERENCE COLOURS



Concrete grey
702305-167



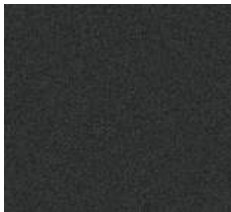
Basalt grey smooth
701205-097



Crown Platinum
9.1293001-195



Light grey
725105-167



Anthracite Ulti-Matt
02.20.71.000001-504700



Quartz grey smooth
703905-097



Slate
1.0065002-097



Slate grey smooth
02.11.71.000040-097



Black Ulti-Matt
02.20.01.000002-504700



Natural oak
3118076-167



Smooth anthracite
701605-097



FX white
915205-168



Grey
715505-167



Oregon
2115008-167



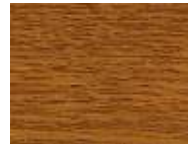
Palisander
851805-167



Turner oak
F470-3001



Winchester
49240015-148



Golden oak
2178001-167



Dark oak
2052089-167

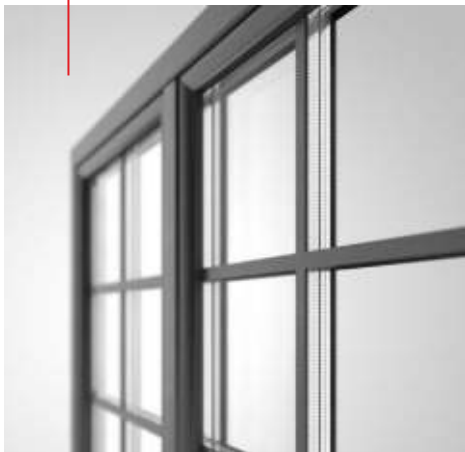


Mahogany
2097013-167

MUNTIN BARS

PVC GLUED ON MUNTIN BARS

GLUED-ON MUNTINS



Glued on muntin bar in widths of 27 mm, 45 mm or 65 mm. Available in our colour palette.

INTERNAL ALUMINIUM MUNTIN BARS

INSIDE GLASS MUNTINS



Internal muntin bars in widths of 8 mm, 18 mm, 26 mm or 45 mm. Available colours: white, gold, silver, golden oak, RAL 8022 (black)



ALUMINIUM WINDOWS COLOURS

over 200 colours



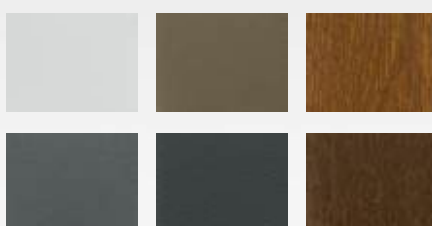
ILLUSTRATIVE METALLIC PAINTS WITH STRUCTURE

Get a modern industrial vibe.



ILLUSTRATIVE SMOOTH MATT PAINTS

Create an aesthetic matt finish.



COLOUR PALETTE



HANDLES

ALUMINIUM WINDOW AND BALCONY DOOR HANDLES

IGLO 5 STANDARD WINDOW HANDLE



IE WINDOW HANDLE



IGLO 5 WINDOW HANDLE WITH KEY



STANDARD HANDLE FOR PSK SYSTEM



DUBLIN WINDOW HANDLE



DUBLIN WINDOW HANDLE WITH PUSH-BUTTON



DUBLIN WINDOW HANDLE WITH KEY



HANDLE WITH AUTOMATIC FOR PSK SYSTEM



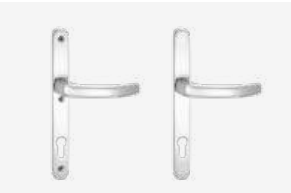
DOUBLE-SIDED BALCONY DOOR HANDLE WITH PZ-PLATE FOR ROLLER SHUTTER¹



HANDLE FOR BALCONY DOOR BOLT FOR ROLLER SHUTTER²



HANDLE FOR BALCONY DOOR BOLT²



DOUBLE-SIDED BALCONY DOOR HANDLE WITH PZ-PLATE³



Available in: white, silver, olive and brown.



¹ Available for Iglo 5 Classic with DM 25 bolt, Iglo PP (intermediate profile)

² Also available in black (RAL 9005)



³ Available for Iglo EXT, Iglo 5 Classic with DM 25 bolt

GLASS

Our offer includes many types of glass, which are characterized by the highest quality of workmanship. Choose glass for your windows that will meet your expectations and which will add a unique character to the interior.



Matt film



Antisol brown
4 lub 6mm



Reflektfloat brown 6 mm



Reflektfloat blue 6 mm

GLASS - PANE SPACERS

The glass-pane spacers contribute to the thermal insulation of the glazed units. Drutex already offers glasspane spacer made of galvanized steels as a standard, which are characterized by very good thermal insulation, much better than aluminum spacers. The Swisspacer Ultimate plastic spacer is available as an option.



White
RAL 9016



Black
RAL 9005



FITTINGS



The fittings used by DRUTEX are the perfect solution in terms of security and functionality of the window and door joinery.



In addition, there is an option of:

- use of concealed hinges
- use of fittings that meet the requirements for anti-burglary in the RC2 and RC2 N class



STANDARD HINGES



CONCEALED HINGES
invisible when window is closed

HINGE COVERS¹



2) Colours available:

- white, RAL 9016,
- silver, RAL 9006,
- brown RAL 8019,
- RAL 1036,
- RAL 7016.



- MACO Multi-Power concealed fittings invisible when the window is closed
- load capacity up to 150 kg

BALCONY THRESHOLDS

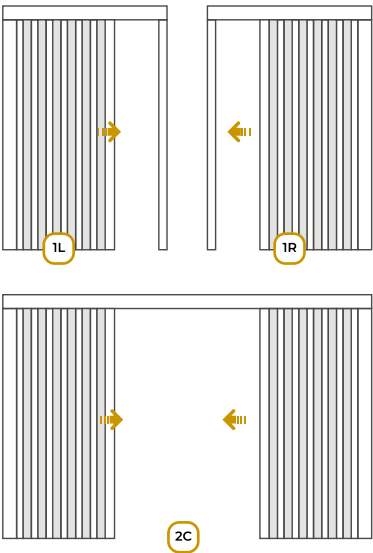
The balcony thresholds we offer are characterised by the highest ergonomics in use, durable construction and a high degree of thermal insulation.



FRAME THRESHOLD - STANDARD FOR EVERY SYSTEM



POSSIBLE VARIANTS



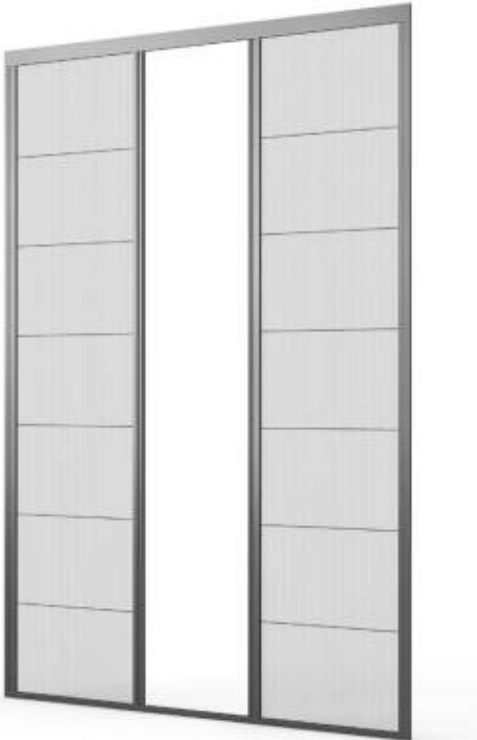
Maximum dimensions

Type of window suite	Width mm	Height mm
Single leaf	2400	2600
Double leaf	3600	2600

Minimum dimensions: 700 mm x 1900 mm (width x height).

Frame insect screens

they work great in both new and old buildings, providing an appropriate level of protection against insects.



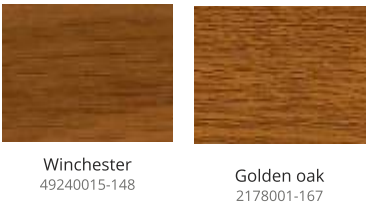
Pleated insect screens

Well-thought-through and refined in the smallest detail design enables installation in the window recess, on the window frame, on the building's facade, and in our roller shutters' roller guides. The choice of matt colours allows for an aesthetic consistency with the facade of the building.

AVAILABLE COLOURS (MATT)



+ AVAILABLE COLOURS



COMPARISON OF PVC WINDOW SYSTEMS



INFORMATION		IGLO ENERGY	IGLO ENERGY CLASSIC	IGLO ENERGY ALUCOVER	IGLO 5
THERMAL INSULATION Uw		Uw = 0,71 W/(m²K)*1	Uw = 0,73 W/(m²K)*2	Uw = 0,76 W/(m²K)*7	Uw = 0,89 W/(m²K)*3
NUMBER OF CHAMBERS IN THE PROFILE		7	7	7	5
SOUND INSULATION DB		dB = 36-46	dB = 36-46	-	dB = 36-44
PROFILE CORE COLOUR 1 - STANDARD 2 - OPTION		1 - white 2 - brown	1 - white 2 - brown, anthracite	1 - white 2 - brown, anthracite	1 - white 2 - brown
RENOVATION FRAME HEIGHT		47 mm	47 mm	-	41 mm lub 65 mm
GLAZED UNITS AS STANDARD		Ug = 0.5 W/(m²K) 3-pane (2 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	Ug = 0.5 W/(m²K) 3-pane (2 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	Ug = 0.5 W/(m²K) 3-pane (2 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	Ug = 1,1 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer
GLAZING THICKNESS MIN. - MAX.		24 - 52 mm	24 - 52 mm	24 - 52 mm	24 - 40 mm
PROFILE DEPTH/ HEIGHT 1 - FRAME 2 - SASH		1 - 82 mm / 74 mm 2 - 95,9 mm / 86 mm	1 - 82 mm / 74 mm 2 - 82 mm / 86 mm	1 - 82 mm / 74 mm 2 - 82 mm / 86 mm	1 - 70 mm / 66 mm 2 - 80 mm / 78 mm
STEEL REINFORCEMENT 1 - FRAME 2 - SASH		1 - 2 mm full (closed) 2 - 2 mm „c” -shaped	1 - 2 mm full (closed) 2 - 2 mm „c” -shaped	1 - 2 mm full (closed) 2 - 2 mm „c” -shaped	1 - 1,5 mm „c”-shaped 1 - 2- 1,5 mm (2 mm on balcony doors) „c”-shaped
BALCONY THRESHOLD 1 - STANDARD 2 - OPTION		1 - jamb frame 2 - Combi Plan 0.0 mm, Combi Plan 0.0 mm or Combi 20 mm	1 - jamb frame 2 - Combi Plan 0.0 mm, Combi Plan 0.0 mm or Combi 20 mm	1 - jamb frame 2 - Combi Plan 0.0 mm, Combi Plan 0.0 mm or Combi 20 mm	1 - jamb frame 2 - 20 mm aluminium threshold or wooden threshold

*1 - For a window measuring 1230x1480 mm, with steel reinforcement and the argon gas-filled glass package Ug = 0.5 W/(m²K), with the Swisspacer plastic spacer bar.

*2 - For a window measuring 1230x1480 mm, with steel reinforcement and the argon gas-filled glass package Ug = 0.5 W/(m²K), with the Swisspacer plastic spacer bar.

*3 - For a window measuring 1230x1480 mm, with steel reinforcement and the argon gas-filled glass package Ug = 0.6 W/(m²K), with the Swisspacer plastic spacer bar.

COMPARISON OF PVC WINDOW SYSTEMS



INFORMATION

IGLO 5 CLASSIC	IGLO PREMIER	IGLO EXT
<p>THERMAL INSULATION U_w</p> <p>$U_w = 0,83 \text{ W/(m}^2\text{K)}^{*4}$</p>	<p>THERMAL INSULATION U_w</p> <p>$U_w = 0,89 \text{ W/(m}^2\text{K)}^{*6}$</p>	<p>THERMAL INSULATION U_w</p> <p>$U_w = 0,89 \text{ W/(m}^2\text{K)}^{*6}$</p>
<p>NUMBER OF CHAMBERS IN THE PROFILE</p> <p>5</p>	<p>NUMBER OF CHAMBERS IN THE PROFILE</p> <p>5</p>	<p>NUMBER OF CHAMBERS IN THE PROFILE</p> <p>5</p>
<p>SOUND INSULATION DB</p> <p>dB = 36-44</p>	<p>SOUND INSULATION DB</p> <p>-</p>	<p>SOUND INSULATION DB</p> <p>-</p>
<p>PROFILE CORE COLOUR</p> <p>1 - STANDARD 2 - OPTION</p> <p>1 - white 2 - brown</p>	<p>PROFILE CORE COLOUR</p> <p>1 - white</p>	<p>PROFILE CORE COLOUR</p> <p>1 - white</p>
<p>RENOVATION FRAME HEIGHT</p> <p>41 mm lub 65 mm</p>	<p>RENOVATION FRAME HEIGHT</p> <p>41 mm lub 65 mm</p>	<p>RENOVATION FRAME HEIGHT</p> <p>41 mm lub 65 mm</p>
<p>GLAZED UNITS AS STANDARD</p> <p>$U_g = 1,1 \text{ W/(m}^2\text{K)} \text{ 2-pane}$ (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer</p>	<p>GLAZED UNITS AS STANDARD</p> <p>$U_g = 1,1 \text{ W/(m}^2\text{K)} \text{ 2-pane}$ (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer</p>	<p>GLAZED UNITS AS STANDARD</p> <p>$U_g = 1,1 \text{ W/(m}^2\text{K)} \text{ 2-pane}$ (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer</p>
<p>GLAZING THICKNESS MIN. - MAX.</p> <p>24 - 40 mm</p>	<p>GLAZING THICKNESS MIN. - MAX.</p> <p>24 - 40 mm</p>	<p>GLAZING THICKNESS MIN. - MAX.</p> <p>24 - 40 mm</p>
<p>PROFILE DEPTH/ HEIGHT</p> <p>1 - FRAME 2 - SASH</p> <p>1 - 70 mm / 66 mm 2 - 70 mm / 78 mm</p>	<p>PROFILE DEPTH/ HEIGHT</p> <p>1 - 70 mm / 66 mm 2 - 70 mm / 78 mm</p>	<p>PROFILE DEPTH/ HEIGHT</p> <p>1 - 70 mm / 66 mm 2 - 70 mm / 78 mm</p>
<p>STEEL REINFORCEMENT</p> <p>1 - FRAME 2 - SASH</p> <p>1 - 1,5 mm „c“-shaped 1-2- 1,5 mm (2 mm on balcony doors) „c“-shaped</p>	<p>STEEL REINFORCEMENT</p> <p>1 - 1,5 mm full (closed) 2- 1,5 mm specially designed profile</p>	<p>STEEL REINFORCEMENT</p> <p>1 - 1,5 mm full (closed) 1-2- 1,5 mm (2 mm on balcony doors) „c“-shaped</p>
<p>BALCONY THRESHOLD</p> <p>1 - STANDARD 2 - OPTION</p> <p>1 - jamb frame 2 - 20 mm aluminium threshold or wooden threshold</p>	<p>BALCONY THRESHOLD</p> <p>1 - jamb frame</p>	<p>BALCONY THRESHOLD</p> <p>1 - jamb frame 2 - 20 mm aluminium threshold or wooden threshold</p>

*4 - For a window measuring 1230x1480 mm, with steel reinforcement and the argon gas-filled glass package $U_g = 0,6 \text{ W/(m}^2\text{K)}$, with the Swisspacer plastic spacer bar.

*5 - For a window measuring 1230x1480 mm, with steel reinforcement and the argon gas-filled glass package $U_g = 0,6 \text{ W/(m}^2\text{K)}$, with the Swisspacer plastic spacer bar.

*6 - For a window size of 1230x1480 mm - calculation method = $0,89 \text{ W/(m}^2\text{K)}$ with steel reinforcement and glazed units $U_g = 0,6 \text{ W/(m}^2\text{K)}$ infilled with argon gas, with a Swisspacer plastic spacer.

*7 - For a window measuring 1230x1480 mm - calculation method = $0,76 \text{ W/(m}^2\text{K)}$ with the argon gas-filled glass package $U_g = 0,5 \text{ W/(m}^2\text{K)}$, with the Swisspacer plastic spacer bar.

*8 - For a window measuring 1230x1480 mm, $U_w = 0,66 \text{ W/(m}^2\text{K)}$ with steel reinforcement and the argon gas-filled glass package $U_g = 0,4 \text{ W/(m}^2\text{K)}$, with the Swisspacer Ultimate plastic spacer bar.

COMPARISON OF WINDOW SYSTEMS ALUMINIUM



INFORMATION		MB-86N SI		MB-79N SI		MB-70HI	
PROFILE MATERIAL		aluminium		aluminium		aluminium	
THERMAL INSULATION Uw		0,76 W/(m²K) ^{*1}		0,81 W/(m²K) ^{*1}		0,96 W/(m²K) ^{*1}	
GASKETS		2		2		2	
		Ug = 1,1 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer		Ug = 1,1 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer		Ug = 1,1 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	
GLAZING THICKNESS MIN. - MAX.		17,5-70 mm		23,5-62 mm		23,5-62 mm	
BALCONY THRESHOLD AS STANDARD		77 mm		70 mm		70 mm	
		profile frame		profile frame		profile frame	

^{*1} For window 1230x1480 mm – calculation method = 0,82 W/(m²K) with glass Ug = 0,5 W/(m²K) infilled with argon gas, with Swisspacer plastic spacer.
^{*2} for window 1230x1480 mm - calculation method, meranti wooden with glass Ug= 0,8 W/(m²K) infilled with argon gas, with Swisspacer plastic spacer,
^{*3} for window 1230x1480 mm - calculation method, meranti wooden with glass Ug= 0,6 W/(m²K) infilled with argon gas, with Swisspacer plastic spacer,
^{*4} for window 1230x1480 mm - calculation method, meranti wooden with glass Ug= 0,5 W/(m²K) infilled with argon gas, with Swisspacer plastic spacer.

COMPARISON OF PVC TERRACE SYSTEMS



INFORMATION		IGLO ENERGY CLASSIC PSK	IGLO 5 CLASSIC PSK	IGLO-HS	IGLO SLIDE
THERMAL INSULATION Uw		Uw = 0,66 W/(m²K)*2	Uw = 0,81 W/(m²K)*3	Uw = 0,71 W/(m²K)*1	-
NUMBER OF CHAMBERS IN THE PROFILE		7	5	7	5
PROFILE CORE COLOUR 1 - STANDARD 2 - OPTION		1 - white 2 - brown, anthracite	1 - white 2 - brown	1 - white	1 - white
V-PERFECT WELDING OPTION		yes	yes	yes	yes
GLAZED UNITS AS STANDARD		Ug = 0.5 W/(m²K) 3-pane (2 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	Ug = 1,1 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	Ug = 0.5 W/(m²K) 3-pane (2 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer	Ug = 1,1 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer
GLAZING THICKNESS MIN. - MAX.		24 - 52 mm	24 - 40 mm	36 - 52 mm	24 - 36 mm
PROFILE DEPTH/ HEIGHT 1 - FRAME 2 - SASH		1 - 82 mm / 74 mm 2 - 95,9 mm / 86 mm	1 - 70 mm / 75 mm 2 - 70 mm / 78 mm	1 - 194 mm / 74 mm 2 - 82 mm / 98 mm	-
STEEL REINFORCEMENT 1 - FRAME 2 - SASH		1 - 2 mm full (closed) 2 - 2 mm „c“-shaped	1 - 1.5 mm full (closed) 2 - 2 mm „c“-shaped	1 - 3 mm, „c“-shaped 2 - 2 mm full (closed)	1 - 2 mm 2 - 2 mm
FITTINGS 1 - STANDARD 2 - OPTION		1 - MACO SKB-S Standard System 2 - MACO SKB-Z Automatic System	1 - MACO SKB-S Standard System 2 - MACO SKB-Z Automatic System	G-U with 3 locking bolts	SIEGENIA
THRESHOLD		jamb frame	jamb frame	system threshold	jamb frame

*1 - Calculation method: Terrace system of size 5000x2500 mm, with steel reinforcement and glazed units Ug = 0.5 W/(m K) infilled with argon gas, with Swisspacer Ultimate plastic spacer.

*2 - Calculation method: Terrace system of size 2600x2250 mm, with steel reinforcement and glazed units Ug = 0.5 W/(m²K) infilled with argon gas, with Swisspacer Ultimate plastic spacer.

COMPARISON OF PVC TERRACE SYSTEMS



INFORMATION		IGLO-HS ALUCOVER
THERMAL INSULATION Uw		Uw = 0,73 W/(m²K)*1
NUMBER OF CHAMBERS IN THE PROFILE		7
PROFILE CORE COLOUR 1 - STANDARD 2 - OPTION		1 - white
V-PERFECT WELDING OPTION		yes —
GLAZED UNITS AS STANDARD		Ug = 0.5 W/(m²K) 3-pane (2 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer
GLAZING THICKNESS MIN. - MAX.		36 - 52 mm
PROFILE DEPTH/ HEIGHT 1 - FRAME 2 - SASH		1 - 206 mm / 74 mm 2 - 82 mm / 98 mm
STEEL REINFORCEMENT 1 - FRAME 2 - SASH		1 - 3 mm, „C“-shaped 2 - 2 mm full (closed)
FITTINGS 1 - STANDARD 2 - OPTION		G-U with 3 locking bolts

THRESHOLD

system threshold

COMPARISON OF TERRACE SYSTEMS ALUMINIUM



INFORMATION		MB-86 FOLD LINE HD
PROFILE MATERIAL		aluminium
THERMAL INSULATION Uw		Uw = 1,1 W/(m²K)*1
GASKETS		2
GLAZED UNITS AS STANDARD		11 W/(m²K) 2-pane (1 chamber) units, infilled with argon gas, galvanised steel glass-pane spacer optional Swisspacer Ultimate glass-pane spacer
GLAZING THICKNESS MIN. - MAX.		13-61 mm
PROFILE DEPTH		86 mm

BALCONY THRESHOLD AS STANDARD

system threshold

*1 for terrace system (3 sash), size 3000x2500 mm with glass T4 + 18 SwissSpacer Ultimate + FL4 + 18 SwissSpacer Ultimate + T4 - calculation method
*2 for terrace system 4000 x 2200 mm with glass T4 + 18 SwissSpacer Ultimate + FL4 + 18 SwissSpacer Ultimate + T4 - calculation method
*3 for terrace system 2700 x 2300 mm with glass T4 + 18 SwissSpacer Ultimate + FL4 + 18 SwissSpacer Ultimate + T4 - calculation method
*4 for terrace system 2900x2450 mm with glass Ug=0.8 W/(m²K) + plastic spacer SwissSpacer Ultimate - calculation method



Quick Contact:

609 668 4017 | Office: 609 668 4053



metaconstructionllc@gmail.com



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www.meta-construction.net