

Acoustic & Thermal Insulation Windows

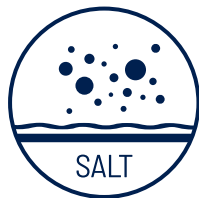


Caracteristicile profilelor din material compozit poliuretanic ranforsat cu fibră de sticlă

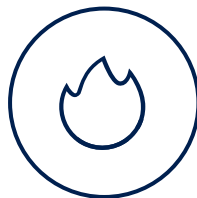
Features of fiberglass reinforced polyurethane composite material profiles



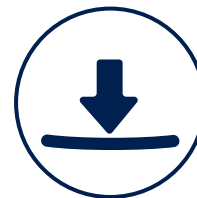
Rezistență la coroziune
Corrosion resistance



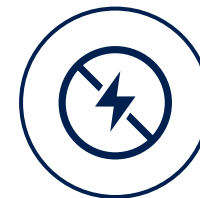
Rezistent la sare
Salt-Resistant



Fereastră rezistentă la foc
Fire-resistant window



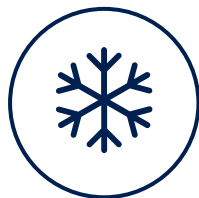
Rezistență la încovoiere: 1442 MPa
Strong (bending strength:1442Mpa)



Material dielectric
Dielectric material



Izolare termică excelentă
Great heat insulating



Rezistență la temperaturi scăzute
Cold resistance



Rezistență la temperaturi ridicate
High temperature resistance



0-VOC (fără compuși organici volatili)
0-VOC



Consum redus de energie în producție
Lower energy consumption in production

Introducere în materialul compozit PU ranforsat cu fibră de sticlă.

Introduction to fiberglass reinforced PU composite material

Materialul compozit poliuretanic ranforsat cu fibră de sticlă este un material compozit de înaltă performanță, bazat pe 20% poliuretan (PU) și 80% fibră de sticlă (GF).

Materialul PU cu fibră de sticlă combină tenacitatea excelentă, rezistența la oboseală, rezistența la impact și flexibilitatea de procesare ale rășinii poliuretaneice, precum și rezistența ridicată, rigiditatea mare și stabilitatea fibrei de sticlă.

Format prin procese eficiente precum pultruziunea și bobinarea, acesta se remarcă prin greutate redusă și rezistență ridicată, izolare termică, rezistență la coroziune și caracter ecologic, iar proprietățile sale mecanice pot fi comparabile cu cele ale unor materiale metalice.

Datorită numeroaselor sale proprietăți excelente, materialul compozit PU ranforsat cu fibră de sticlă este utilizat pe scară largă în multiple domenii industriale, precum sisteme de uși și ferestre și fațade cortină, energie eoliană, fotovoltaice, vehicule cu energie nouă, echipamente medicale, echipamente industriale, industria aerospațială etc., înlocuind treptat materialele metalice și materialele plastice tradiționale.

Fiberglass reinforced polyurethane composite material is the high-performance composite material based on 20% polyurethane (PU) and 80% fiberglass (GF).

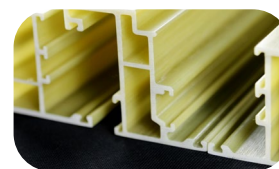
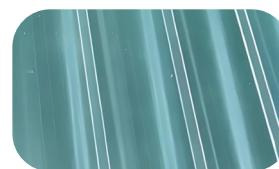
PU fiberglass material combines the excellent toughness, fatigue resistance, impact resistance and processing flexibility of polyurethane resin, as well as the high strength, high rigidity and stability of fiberglass.

Formed through efficient processes such as pultrusion and winding, it features light weight and high strength, thermal insulation, corrosion resistance, and environmental friendliness, and its mechanical properties can be comparable to some metal materials.

Due to its many excellent properties, PU fiberglass composite material is widely used in multiple industrial fields such as door and window curtain wall systems, wind energy, photovoltaics, new energy vehicles, medical equipment, engineering equipment, aerospace, etc., and gradually replaces metal and traditional plastic materials.

Comparația proprietăților profilelor de ferestre din PU ranforsat cu fibră de sticlă cu alte materiale.

Property comparison of fiberglass reinforced PU window profiles with others



Proprietate Property	Aliaj de aluminiu Aluminum Alloy	Oțel Steel	PVC rigid (R-PVC) R PVC	Plastic ranforsat cu fibră de sticlă Fiberglass Reinforced Plastic	PU ranforsat cu fibră de sticlă Fiberglass Reinforced Pu
Density (g/cm ³)	2.7	7.8	1.4	1.8	2.2
Bending strength (MPa)	170-230	200~500	70~110	300~600	1442
Bending modulus (GPa)	68	200	2.2~5	10~22	44
Tensile strength (MPa)	200~300	< 670	35~52	300~600	1220
Tensile modulus (GPa)	68	200	2.2~5	20~25	56.5
Strength-weight ratio (10 ³ N·m/kg)	74~111	< 86	25~37	333	581
Thermal Conductivity (W/m ² ·K)	> 150	36~54	0.14	0.4	0.114
Linear expansivity (10 ⁻⁵ K ⁻¹)	2.2~2.4	1.2	6~7	0.7~6	0.5
Volume resistivity (Ω·m)	2.9*10 ⁻⁸	9.8*10 ⁻⁸	1*10 ¹¹⁻¹²	1*10 ¹²	1.5*10 ¹²
Corrosion resistance	Slab / Poor	Slab / Poor	Mediu / Average	Excelent / Excellent	Excelent / Excellent

NPU60

Fereastră cu deschidere spre exterior eficientă energetic

Energy-efficient outward-opening window

Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5				2.0	3
5Low-E+12Ar+5				1.8	30-35dB
5Low-E+12A+5+12A+5				1.5	
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.4	4
5Low-E+12Ar+5Low-E+12Ar+5				1.2	35-40dB
5 (Double silvered) Low-E+12Ar+ 5 (Double silvered) Low-E+12Ar+5				1.1	

Datele de mai sus se bazează pe rezultatele testelor reale.

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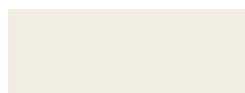
CULORI SELECTIVE

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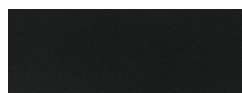
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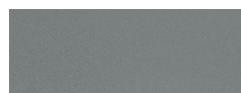
Alb / White



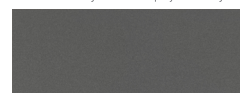
Maro / Brown



Negru / Black



Gri deschis / Slate Gray

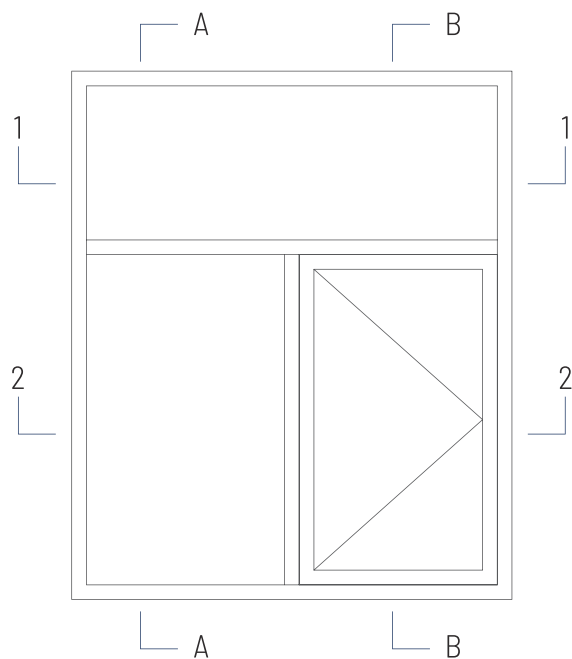


Gri închis / Dark Gray



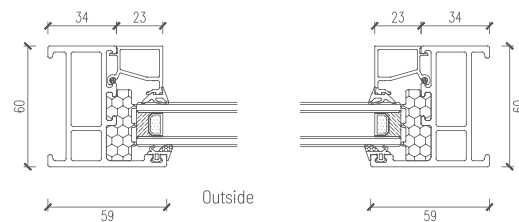
NPU60

Fereastră cu deschidere spre exterior eficientă energetic
Energy-efficient outward-opening window

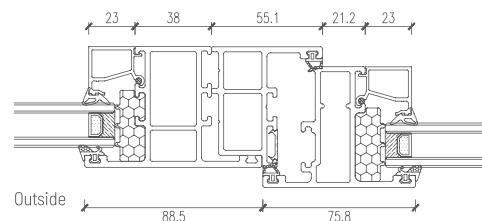
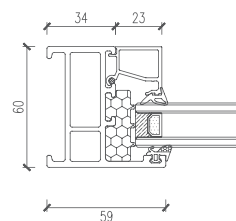
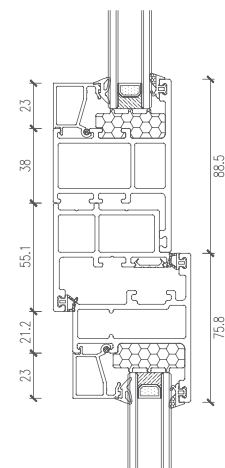
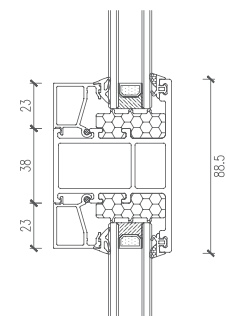
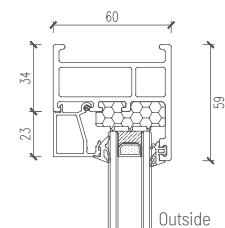
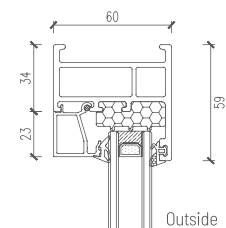


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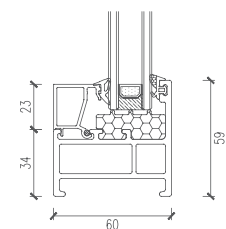
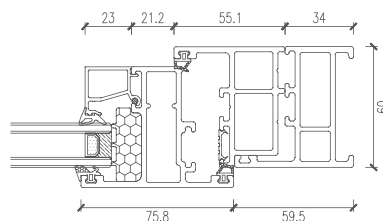
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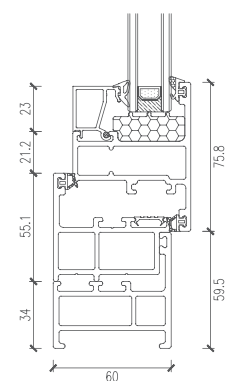
1-1



2-2



A-A



B-B

NPU60

Fereastră cu deschidere spre interior eficientă energetic

Energy-efficient inward-opening window

Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5				2.0	3
5Low-E+12Ar+5				1.8	30-35dB
5Low-E+12A+5+12A+5				1.5	
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.4	4
5Low-E+12Ar+5Low-E+12Ar+5				1.2	35-40dB
5 (Double silvered) Low-E+12Ar+ 5 (Double silvered) Low-E+12Ar+5				1.1	

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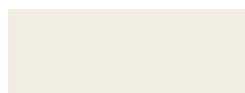
CULORI SELECTIVE

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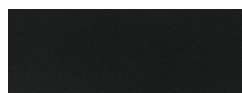
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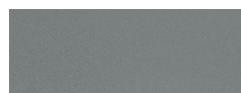
Alb / White



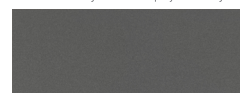
Maro / Brown



Negru / Black



Gri deschis / Slate Gray

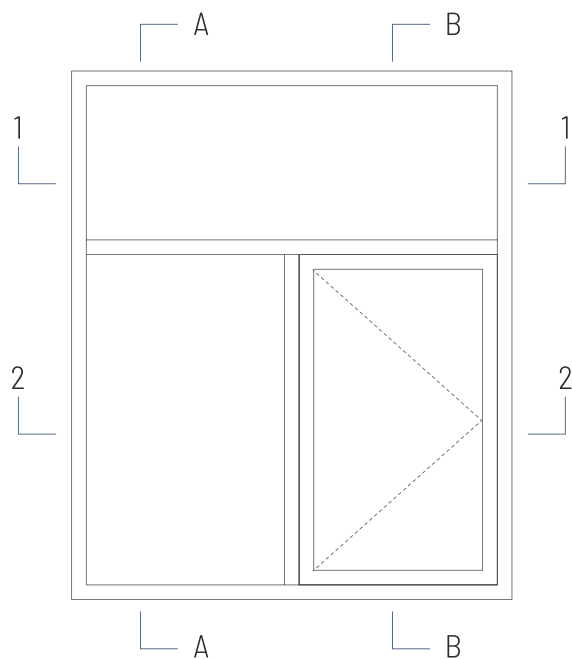


Gri închis / Dark Gray



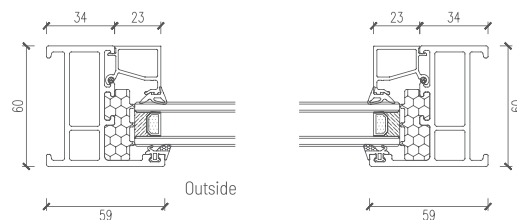
NPU60

Fereastră cu deschidere spre interior eficientă energetic
Energy-efficient inward-opening window

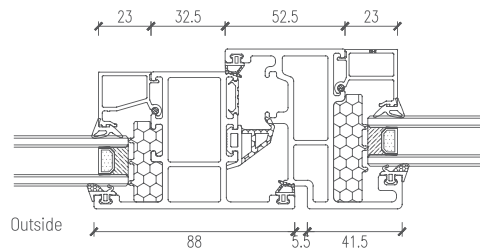
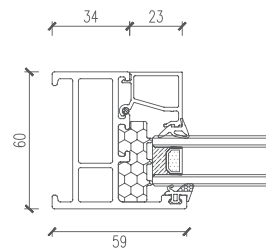


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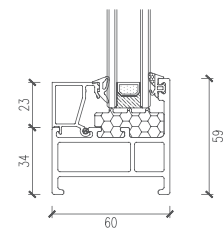
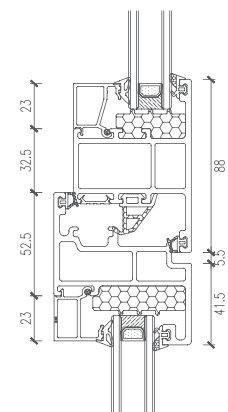
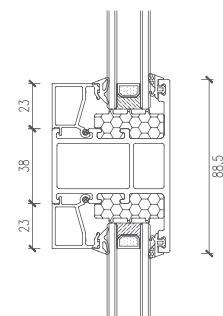
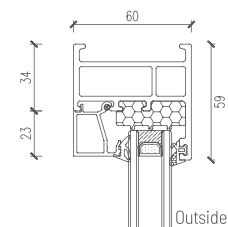
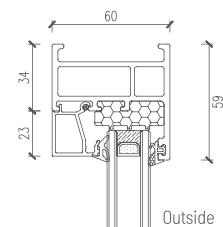
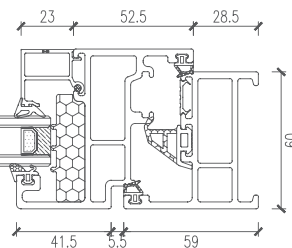
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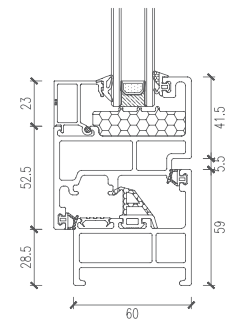
1-1



2-2



A-A



B-B

NPU60

Ușă cu deschidere spre exterior în două canate eficientă energetic

Energy-efficient outward-opening double-leaf door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5				2.0	3 30-35dB
5Low-E+12Ar+5				1.8	
5Low-E+12A+5+12A+5				1.5	4 35-40dB
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.4	
5Low-E+12Ar+5Low-E+12Ar+5				1.2	
5 (Double silvered) Low-E+12Ar+ 5 (Double silvered) Low-E+12Ar+5				1.1	

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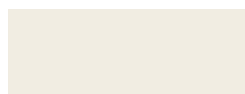
CULORI SELECTIVE

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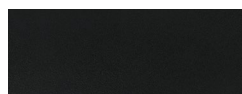
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Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

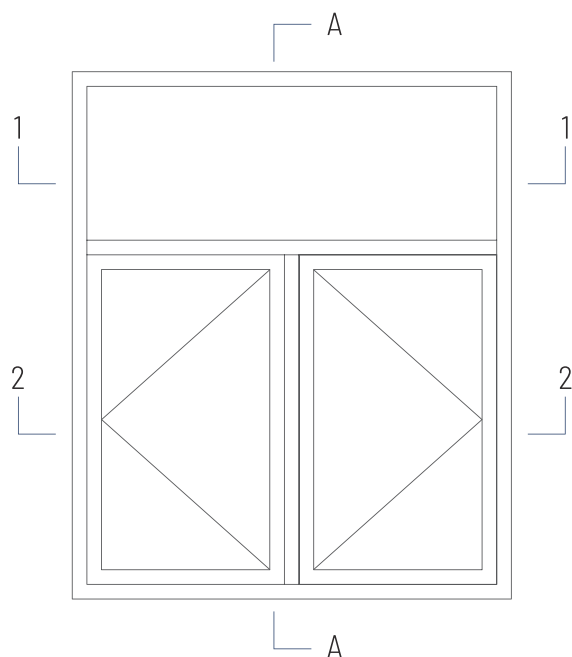


Gri închis / Dark Gray



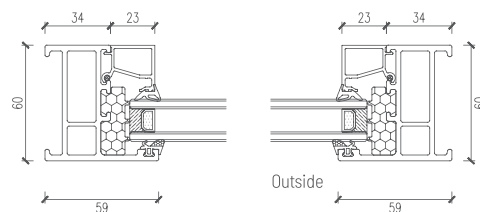
NPU60

Ușă cu deschidere spre exterior în două canate eficientă energetic
Energy-efficient outward-opening double-leaf door

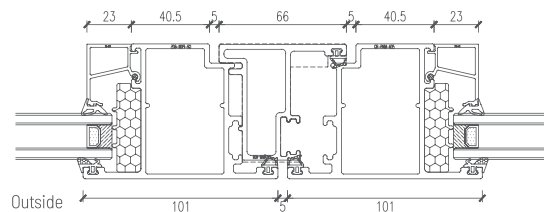
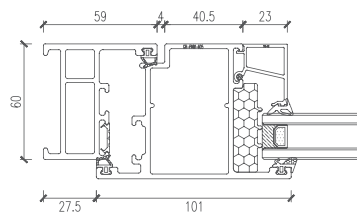


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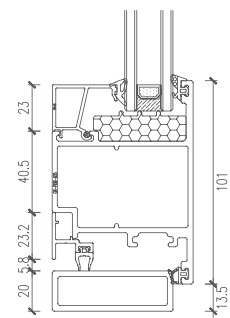
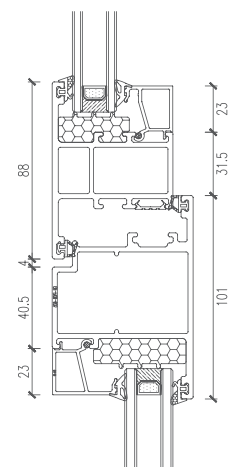
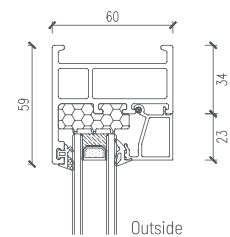
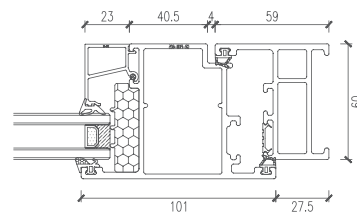
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1-1



2-2



A-A

NPU60

Ușă cu deschidere spre exterior într-un canat eficientă energetic

Energy-efficient outward-opening single-leaf door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
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5Low-E+12Ar+5				1.8	
5Low-E+12A+5+12A+5				1.5	4 35-40dB
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.4	
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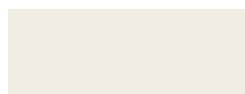
CULORI SELECTIVE

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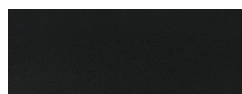
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Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

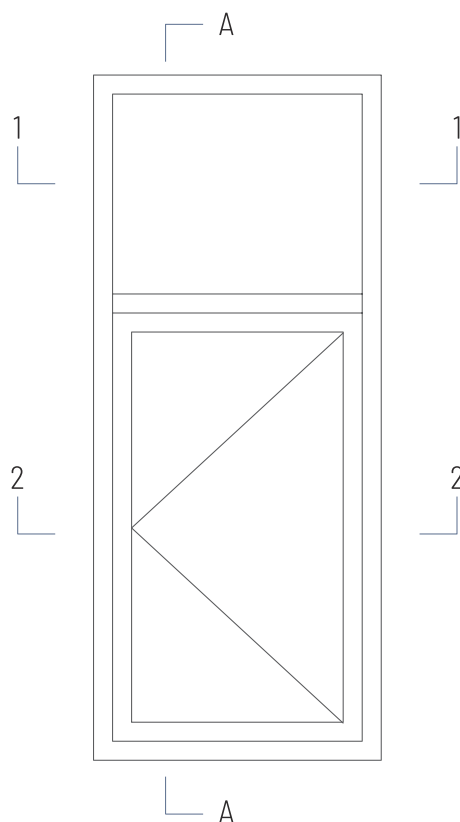


Gri închis / Dark Gray



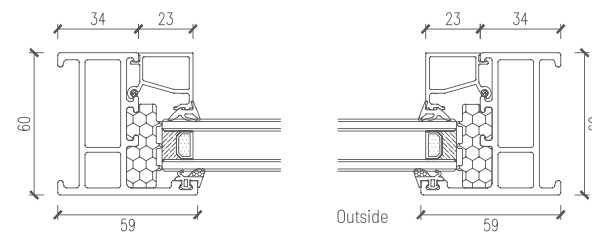
NPU60

Ușă cu deschidere spre exterior într-un canat eficientă energetic
Energy-efficient outward-opening single-leaf door

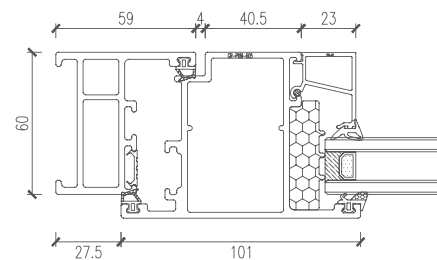


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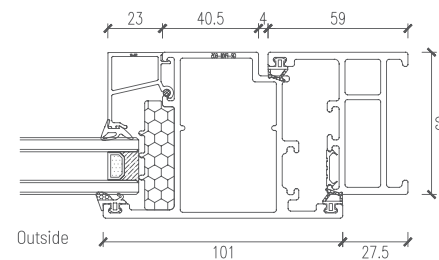
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



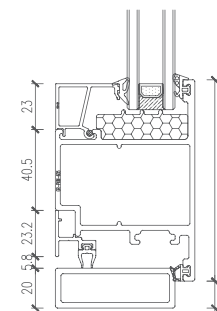
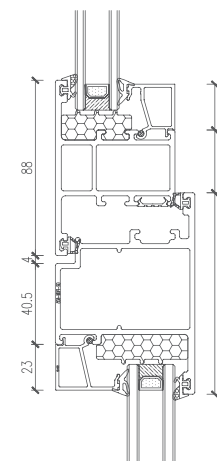
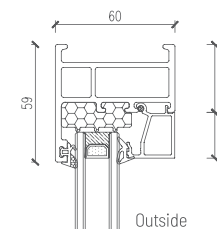
1-1



2-2



A-A



NPU65

Fereastră cu ramă subțire cu deschidere spre interior

Slim-frame inward-opening window

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+18A+5				1.9	3
5Low-E+18Ar+5				1.7	30-35dB
5Low-E+9Ar+5+9Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.4	
5Low-E+9Ar+5Low-E+9Ar+5				1.2	4
5 (Double silvered) Low-E+9Ar+ 5 (Double silvered) Low-E+9Ar+5				1.1	35-40dB

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.

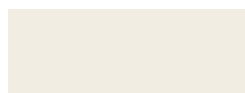
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

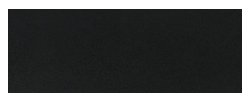
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



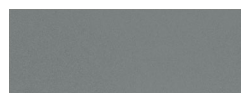
Alb / White



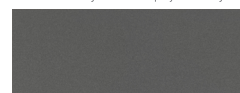
Maro / Brown



Negru / Black



Gri deschis / Slate Gray

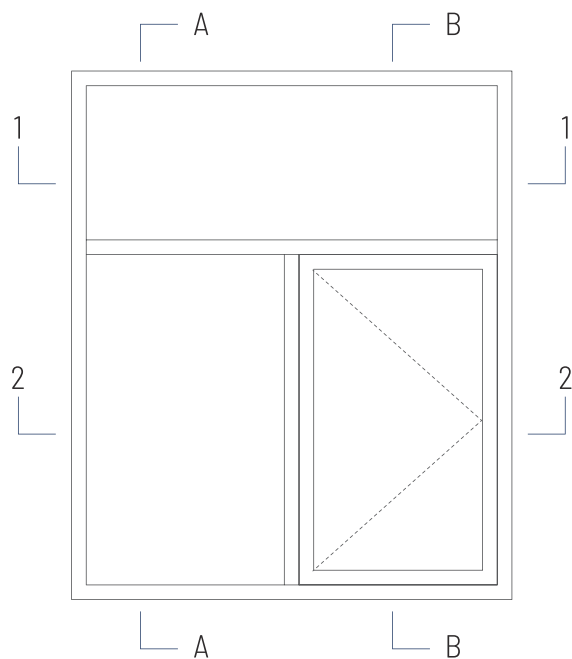


Gri închis / Dark Gray



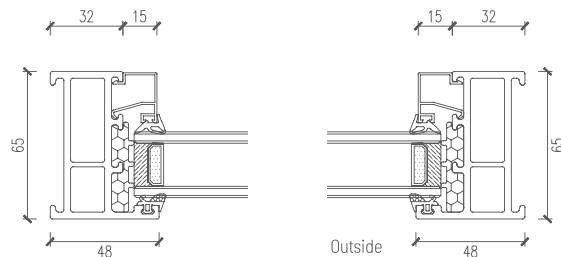
NPU65

Fereastră cu ramă subțire cu deschidere spre interior
Slim-frame inward-opening window

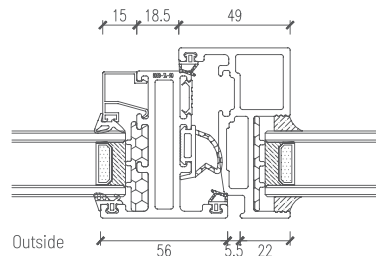
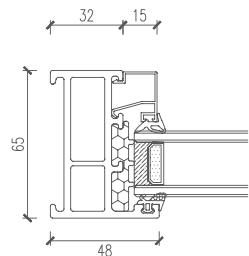


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse
produsului real și pot fi modificate fără notificare prealabilă.

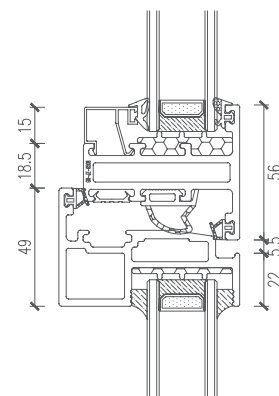
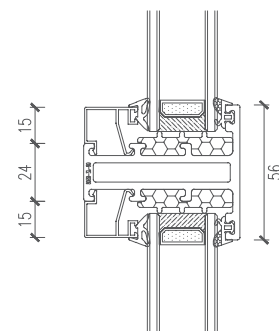
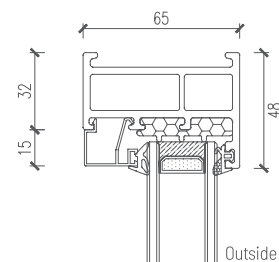
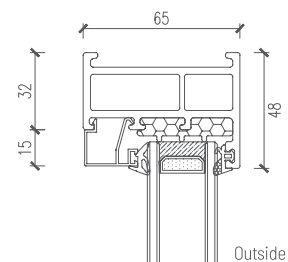
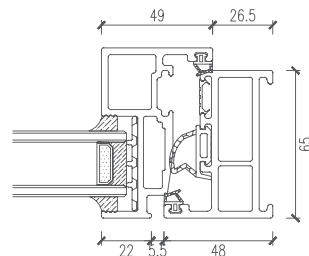
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



1-1



2-2



A-A

B-B

NPU70

Fereastră cu deschidere spre exterior eficientă energetic

Energy-efficient outward-opening window

Configurație sticlă					
Glass Configuration	Rezistență la vânt Wind Load Resistance P_3 [Kpa]	Etanșeitate la apă Water Tightness ΔP [Pa]	Etanșeitate la aer Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Izolare termică Thermal Insulation [W/(m ² .K)]	Izolare fonică Sound Insulation
5Low-E+12Ar+5+12A+5				1.4	
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.2	4 35-40dB
5Low-E+12Ar+5+12Ar+5Low-E (Double silvered)				1.0	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.

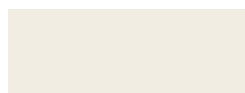
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

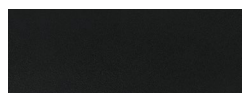
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



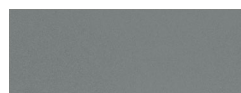
Alb / White



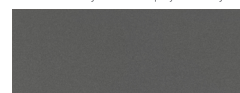
Maro / Brown



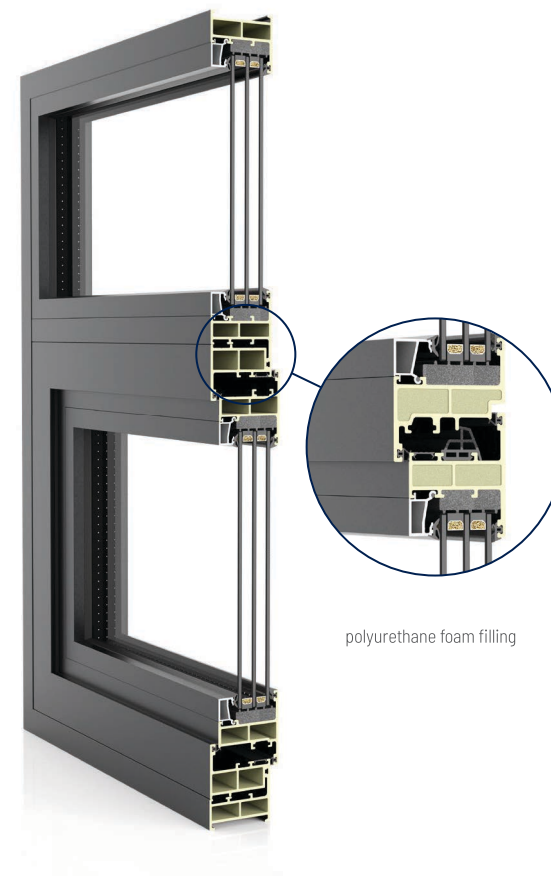
Negru / Black



Gri deschis / Slate Gray

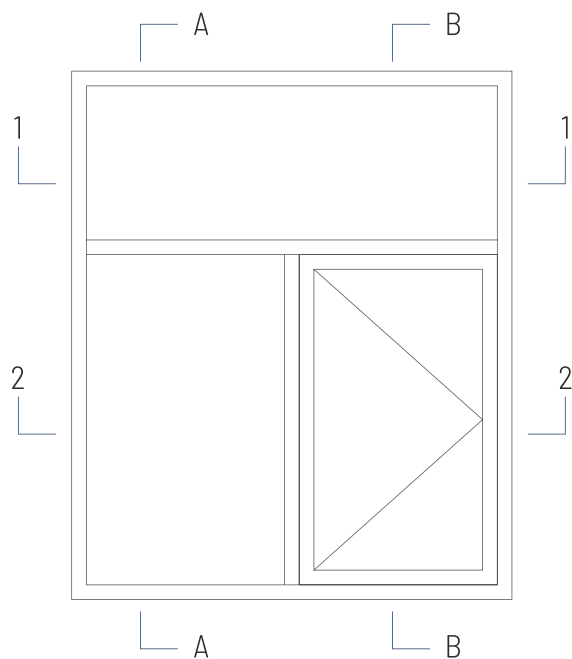


Gri închis / Dark Gray



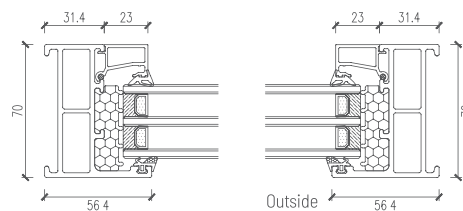
NPU70

Fereastră cu deschidere spre exterior eficientă energetic
Energy-efficient outward-opening window

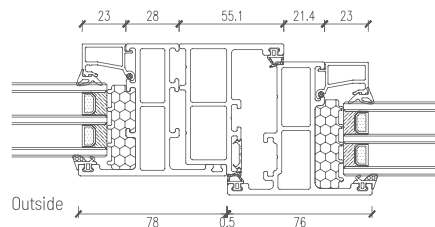
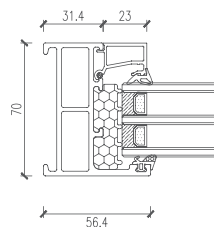


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse
produsului real și pot fi modificate fără notificare prealabilă.

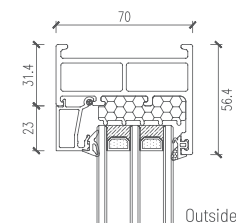
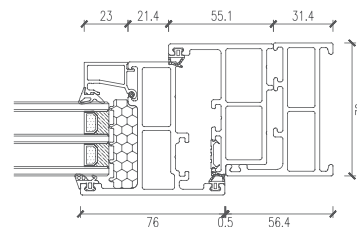
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



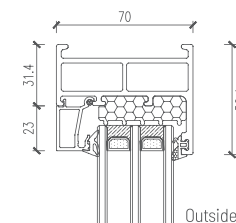
1-1



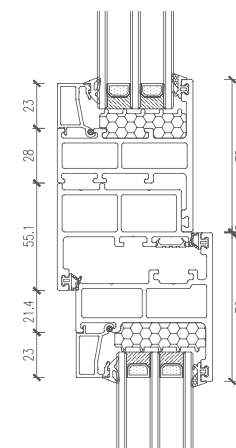
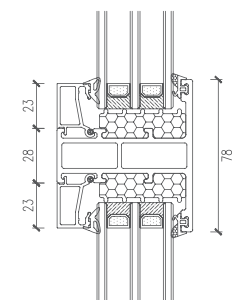
2-2



A-A



B-B



NPU70

Fereastră cu deschidere spre interior eficientă energetic

Energy-efficient inward-opening window

Configurație sticlă	 Rezistență la vânt	 Etanșeitate la apă	 Etanșeitate la aer	 Izolare termică	 Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12Ar+5+12A+5				1.4	
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.2	4 35-40dB
5Low-E+12Ar+5+12Ar+5Low-E (Double silvered)				1.0	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.

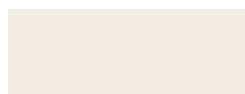
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

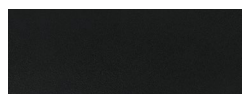
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



Alb / White



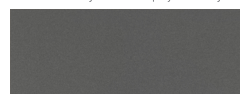
Maro / Brown



Negru / Black



Gri deschis / Slate Gray

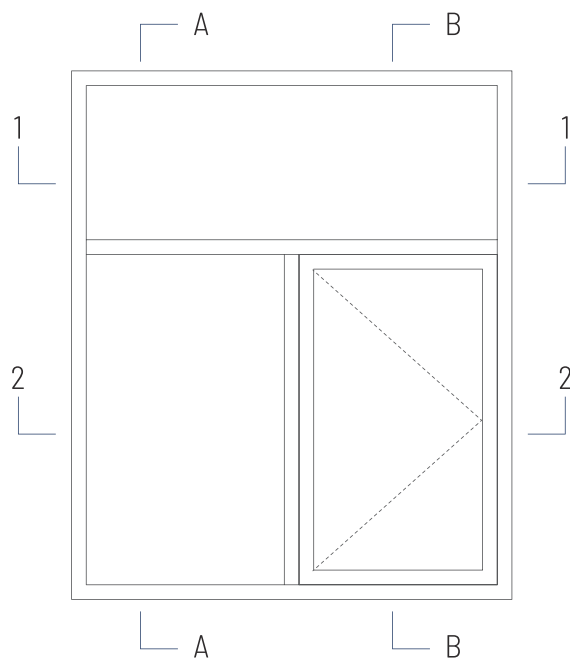


Gri închis / Dark Gray



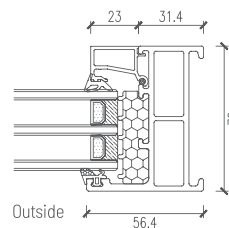
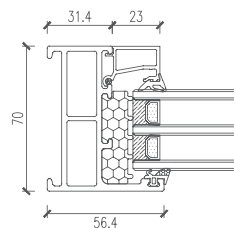
NPU70

Fereastră cu deschidere spre interior eficientă energetic
Energy-efficient inward-opening window

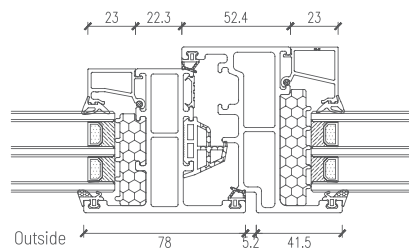
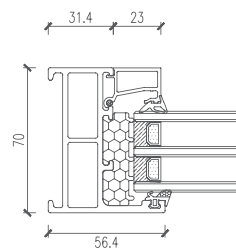


*Umplerea cu spumă poliuretanică este opțională.
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produsului real și pot fi modificate fără notificare prealabilă.*

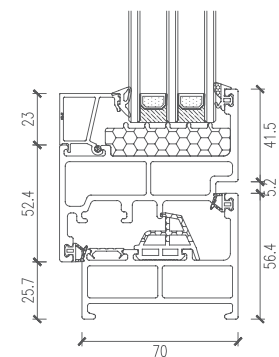
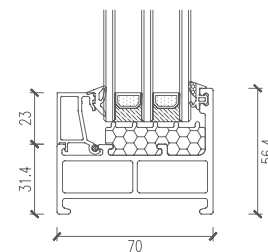
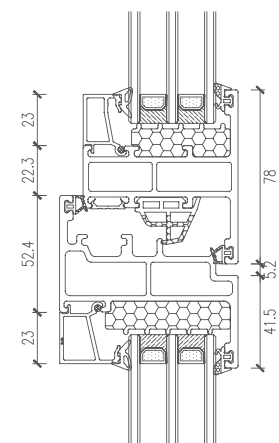
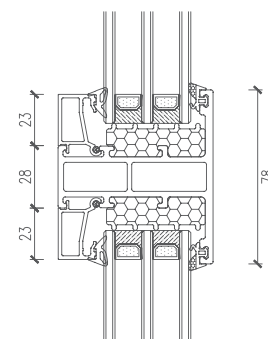
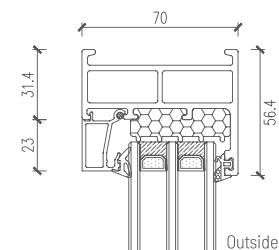
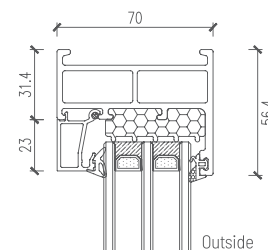
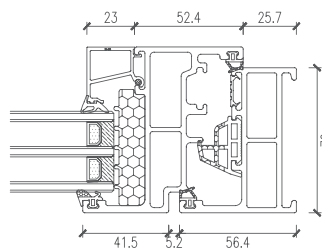
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



1-1



2-2



A-A

B-B

NPU70

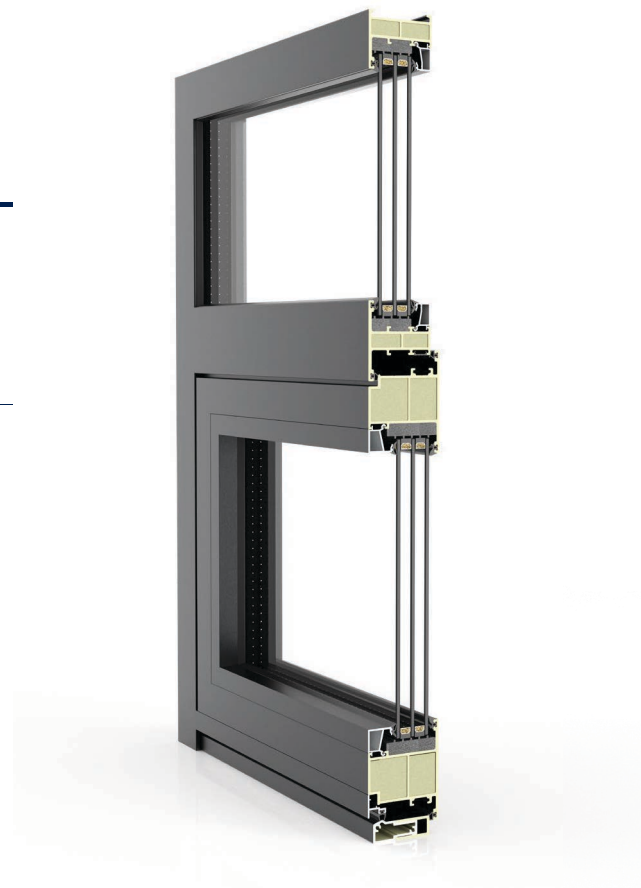
Ușă cu deschidere spre exterior în două canate eficientă energetic

Energy-efficient outward-opening double-leaf door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12Ar+5+12A+5				1.4	
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.2	4 35-40dB
5Low-E+12Ar+5+12Ar+5Low-E (Double silvered)				1.0	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



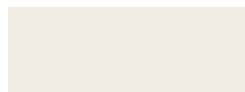
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

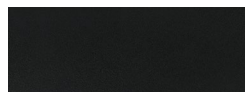
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



Alb / White



Maro / Brown



Negru / Black



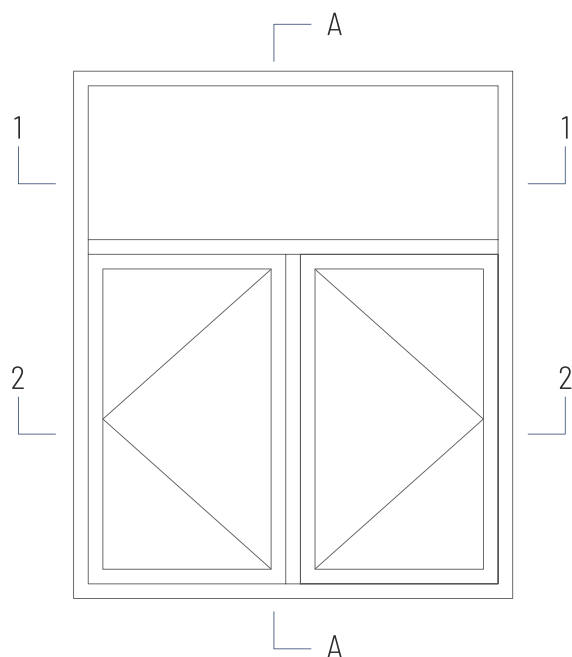
Gri deschis / Slate Gray



Gri închis / Dark Gray

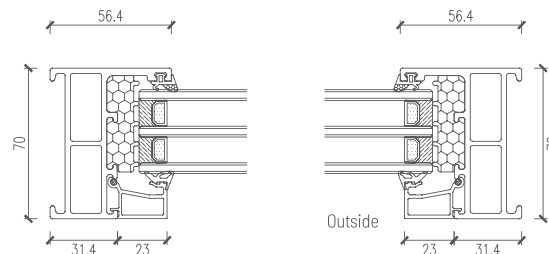
NPU70

Ușă cu deschidere spre exterior în două canate eficientă energetic
Energy-efficient outward-opening double-leaf door

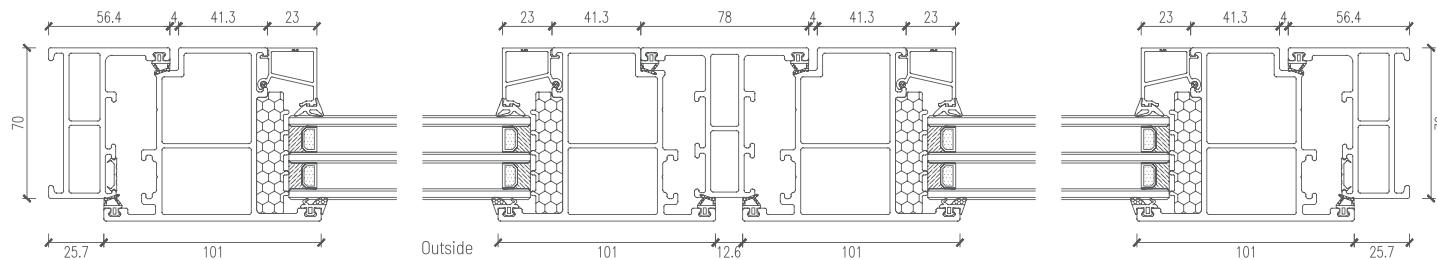


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

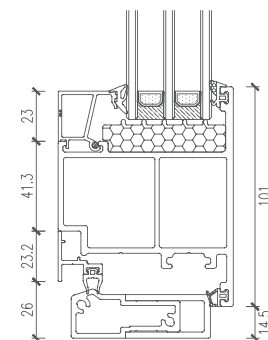
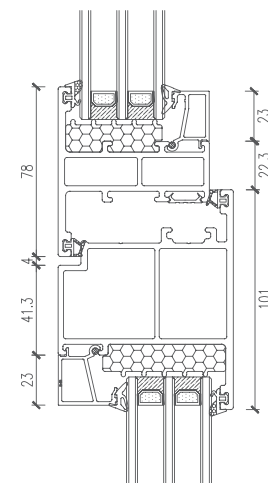
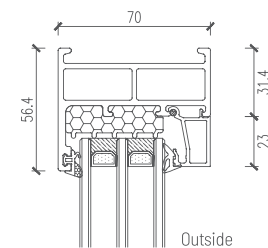
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



1-1



2-2



A-A

NPU70

Ușă cu deschidere spre exterior într-un canat eficientă energetic

Energy-efficient outward-opening single-leaf door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12Ar+5+12A+5				1.4	
5Low-E+12Ar+5+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.2	4 35-40dB
5Low-E+12Ar+5+12Ar+5Low-E (Double silvered)				1.0	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.

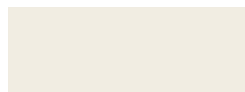
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

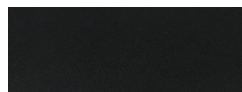
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



Alb / White



Maro / Brown



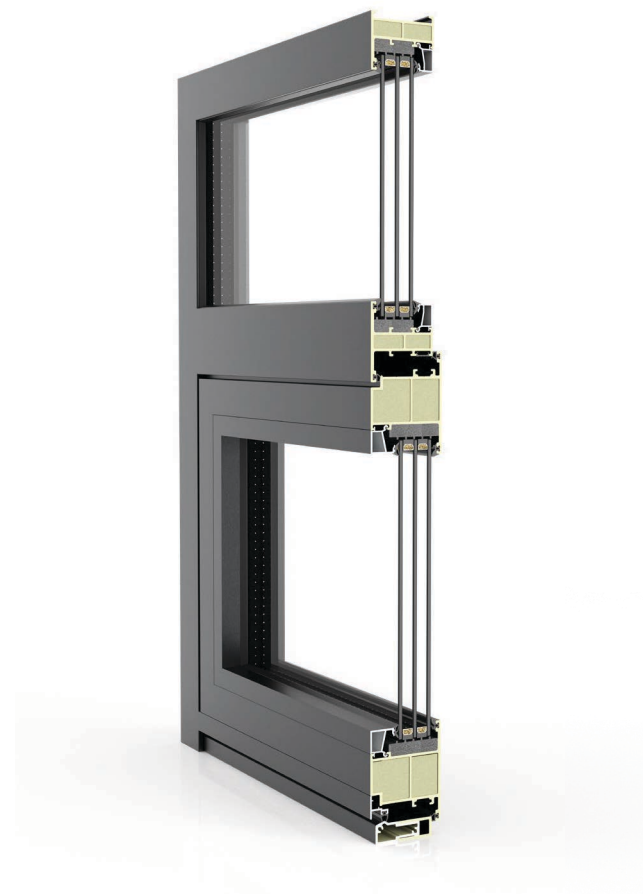
Negru / Black



Gri deschis / Slate Gray

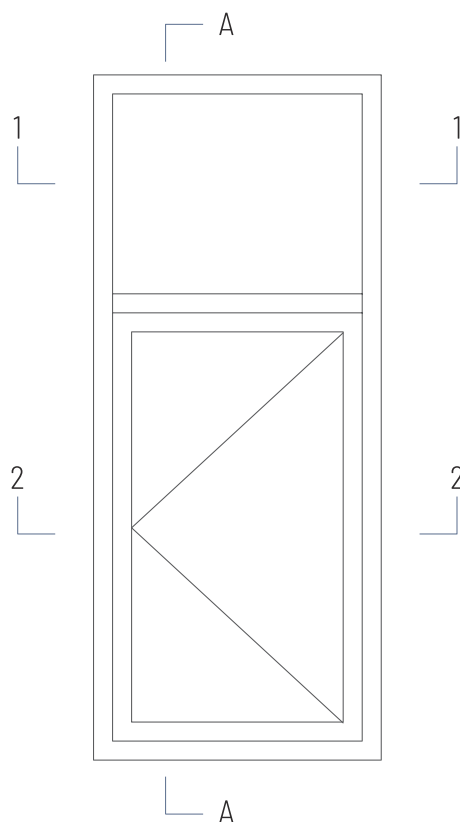


Gri închis / Dark Gray



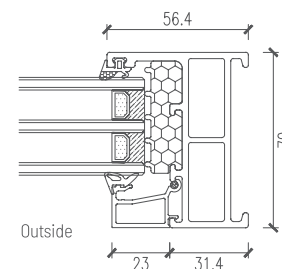
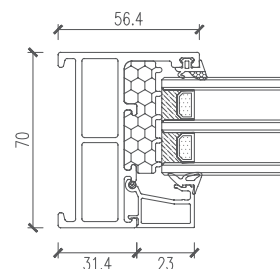
NPU70

Ușă cu deschidere spre exterior într-un canat eficientă energetic
Energy-efficient outward-opening single-leaf door

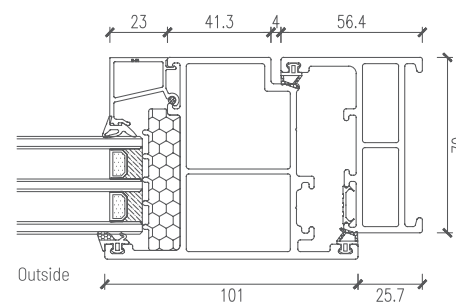
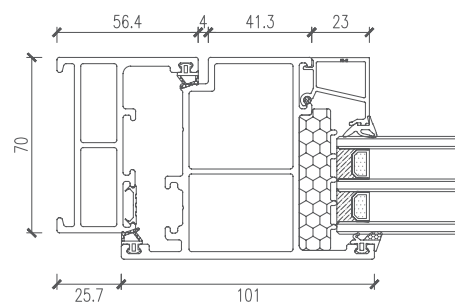


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse
produsului real și pot fi modificate fără notificare prealabilă.

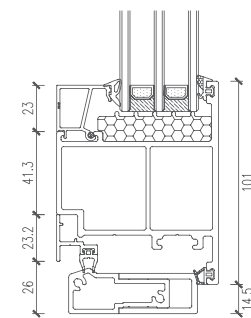
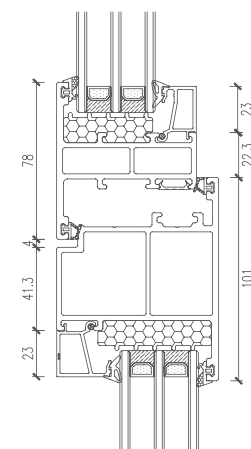
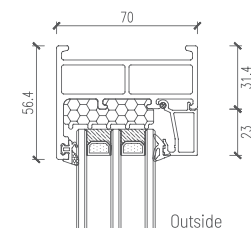
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



1-1



2-2



A-A

NPU85

Fereastră cu deschidere spre exterior certificată Passive House

Passive House-certified outward-opening window

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5Low-E+12A+5				1.2	
5Low-E+12Ar+5+12Ar+5Low-E	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	35-40dB
5Low-E+12Ar+5Low-E+12Ar+5 (Double silvered& Warm edge)				0.8	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



Uși și ferestre pasive din PU

Certificare PHI Germania

Cerințe pentru ferestre pasive în zona cu temperatură moderată: $U_w = 0,75 \leq 0,80 \text{ W/(m}^2\text{K)}$

Cerințe pentru ferestre pasive în zona cu temperatură rece: $U_w = 0,65 \text{ W/(m}^2\text{K)}$

Performanța obținută: nivel PhA

Sistem rezistent la foc

Clasificare EI 90 conform

EN 13501-2:2023

PU passive house doors and windows

German PHI certification

Passive window requirements for the cool temperature zone: $U_w = 0.75 \leq 0.80 \text{ W/(m}^2\text{K)}$

Passive window requirements for the cold temperature zone: $U_w = 0.65 \text{ W/(m}^2\text{K)}$

And the performance achieved PhA grade

Fire-resistant system

Classification EI 90 according to

EN 13501-2:2023



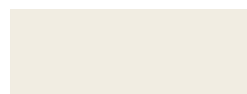
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

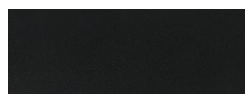
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



Alb / White



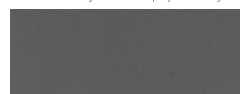
Maro / Brown



Negru / Black



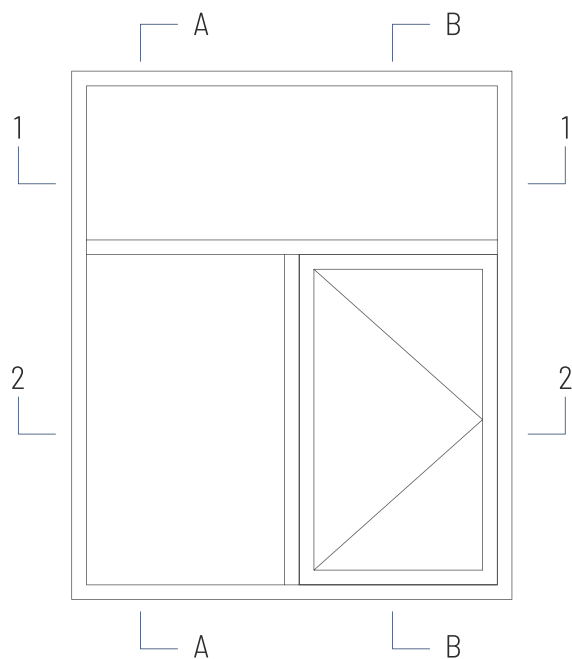
Gri deschis / Slate Gray



Gri închis / Dark Gray

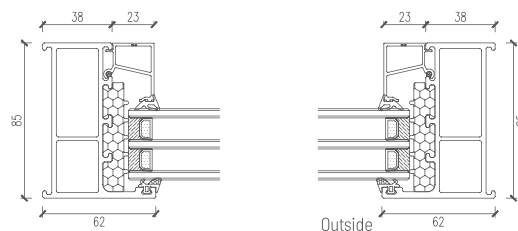
NPU85

Fereastră cu deschidere spre exterior certificată Passive House
Passive House-certified outward-opening window

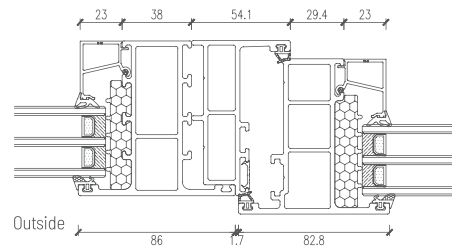
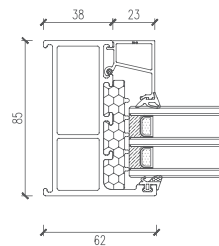


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

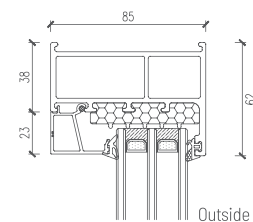
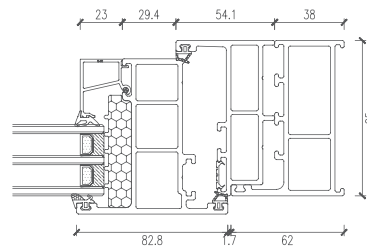
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



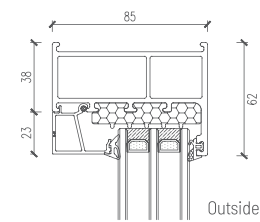
1-1



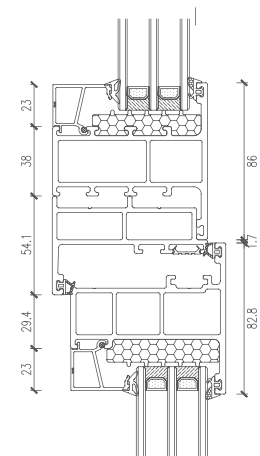
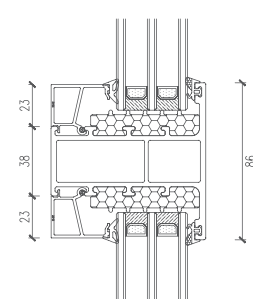
2-2



A-A



B-B



NPU85

Plasă de insecte ascunsă pentru fereastră cu deschidere spre exterior

Hidden insect screen for outward-opening window

Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5Low-E+12A+5				1.2	
5Low-E+12Ar+5+12Ar+5Low-E	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	35-40dB
5Low-E+12Ar+5Low-E+12Ar+5 (Double silvered& Warm edge)				0.8	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



Uși și ferestre pasive din PU

Certificare PHI Germania

Cerințe pentru ferestre pasive în zona cu temperatură moderată: $U_w = 0,75 \leq 0,80 \text{ W/(m}^2\text{K)}$

Cerințe pentru ferestre pasive în zona cu temperatură rece: $U_w = 0,65 \text{ W/(m}^2\text{K)}$

Performanța obținută: nivel **PhA**

Sistem rezistent la foc

Clasificare **Ei 90** conform

EN 13501-2:2023

PU passive house doors and windows

German PHI certification

Passive window requirements for the cool temperature zone: $U_w = 0.75 \leq 0.80 \text{ W/(m}^2\text{K)}$

Passive window requirements for the cold temperature zone: $U_w = 0.65 \text{ W/(m}^2\text{K)}$

And the performance achieved **PhA** grade

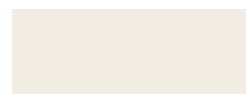
Fire-resistant system

Classification **Ei 90** according to

EN 13501-2:2023

CULORI SELECTIVE

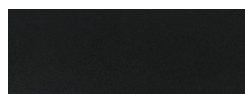
Personalizați-vă culoarea exclusivă



Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

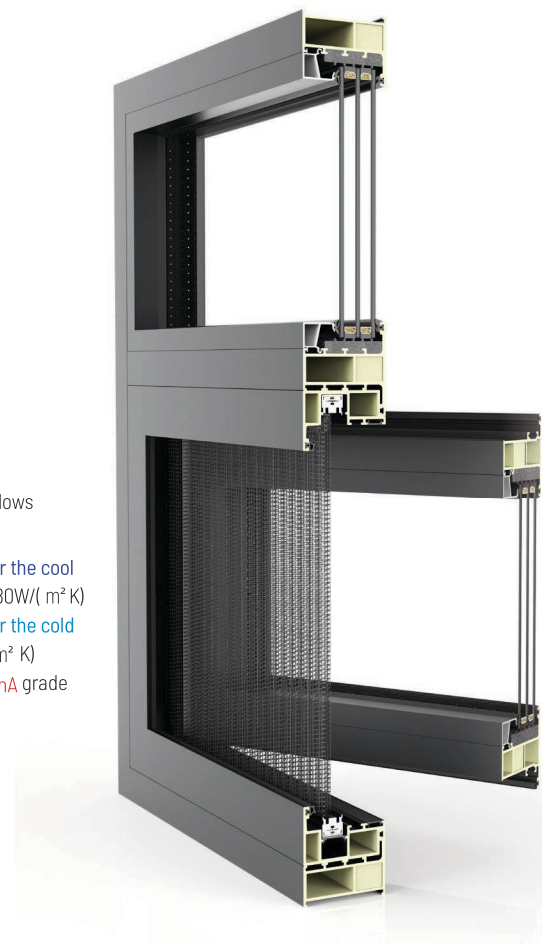


Gri închis / Dark Gray

SELECTIVE COLORS

Customize Your Exclusive Color

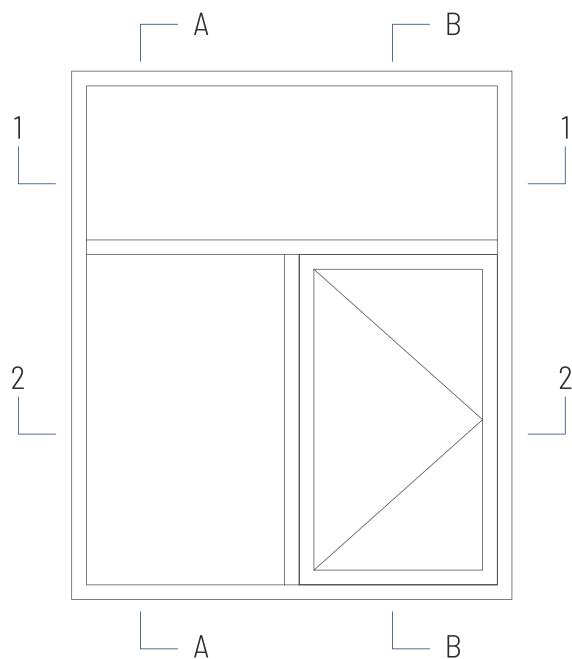
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



NPU85

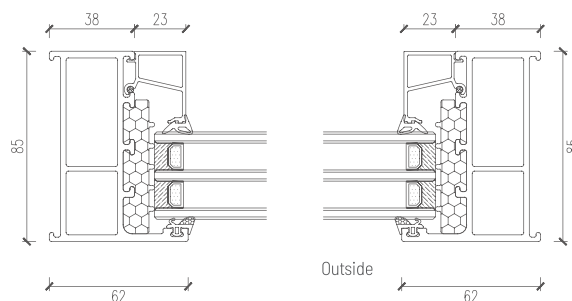
Plasă de insecte ascunsă pentru fereastră cu deschidere spre exterior

Hidden insect screen for outward-opening window

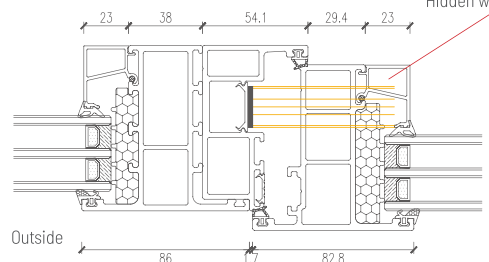
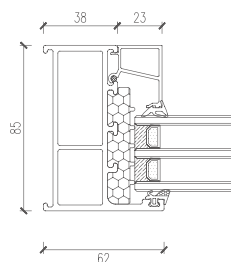


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

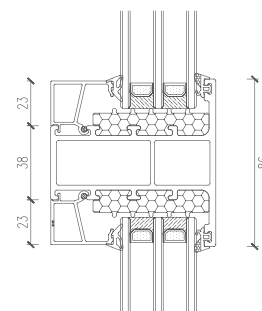
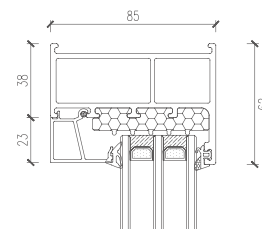
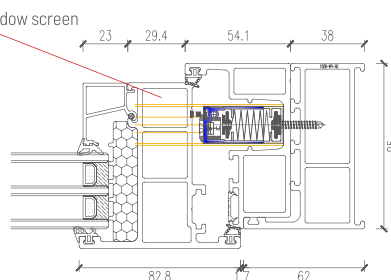
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



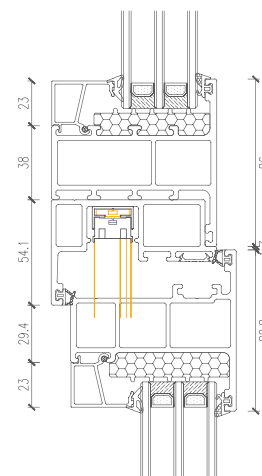
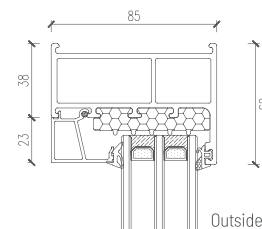
1-1



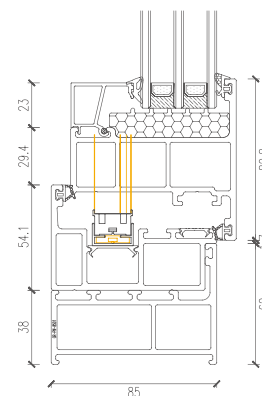
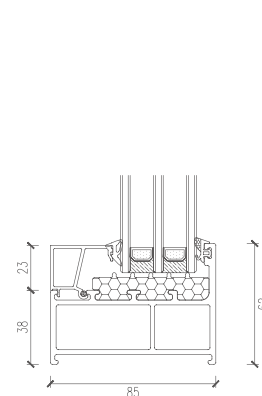
2-2



A-A



B-B



NPU85

Fereastră cu deschidere spre interior certificată Passive House

Passive House-certified inward-opening window

Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5Low-E+12A+5				1.2	
5Low-E+12Ar+5+12Ar+5Low-E	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	35-40dB
5Low-E+12Ar+5Low-E+12Ar+5 (Double silvered& Warm edge)				0.8	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



Uși și ferestre pasive din PU

Certificare PHI Germania

Cerințe pentru ferestre pasive în zona cu temperatură moderată: $U_w = 0,75 \leq 0,80 \text{ W/(m}^2\text{K)}$

Cerințe pentru ferestre pasive în zona cu temperatură rece: $U_w = 0,65 \text{ W/(m}^2\text{K)}$

Performanța obținută: nivel PhA

Sistem rezistent la foc

Clasificare EI 90 conform

EN 13501-2:2023

PU passive house doors and windows

German PHI certification

Passive window requirements for the cool temperature zone: $U_w = 0.75 \leq 0.80 \text{ W/(m}^2\text{K)}$

Passive window requirements for the cold temperature zone: $U_w = 0.65 \text{ W/(m}^2\text{K)}$

And the performance achieved PhA grade

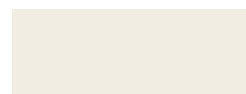
Fire-resistant system

Classification EI 90 according to

EN 13501-2:2023

CULORI SELECTIVE

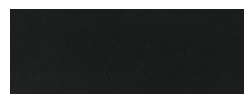
Personalizați-vă culoarea exclusivă



Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

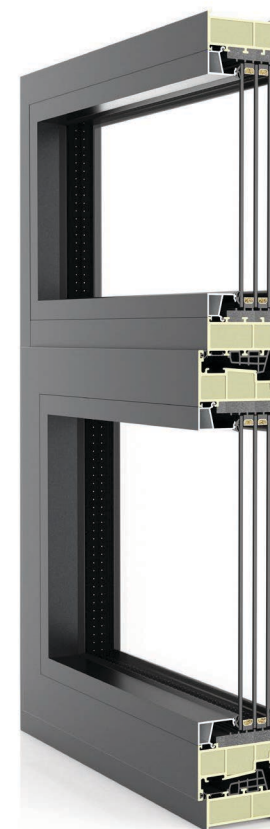


Gri închis / Dark Gray

SELECTIVE COLORS

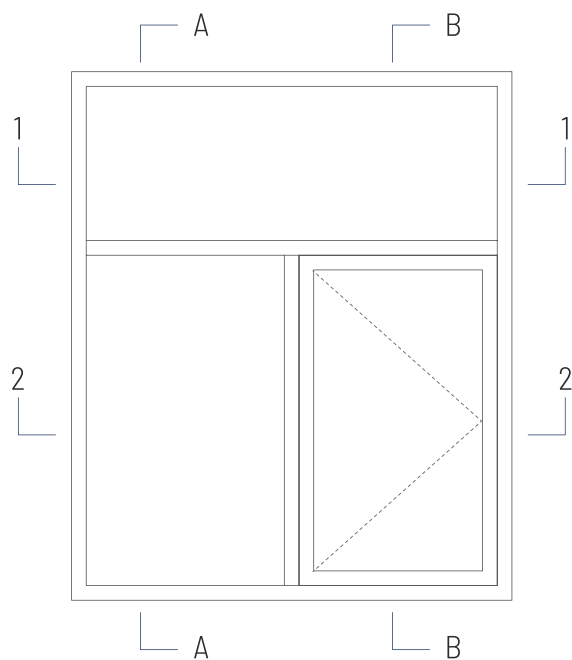
Customize Your Exclusive Color

Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



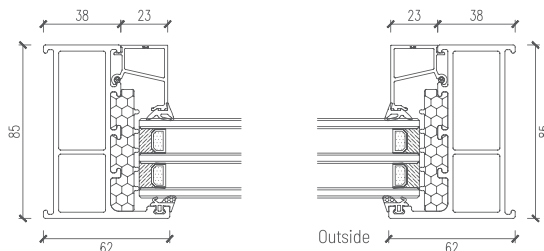
NPU85

Fereastră cu deschidere spre interior certificată Passive House
Passive House-certified inward-opening window

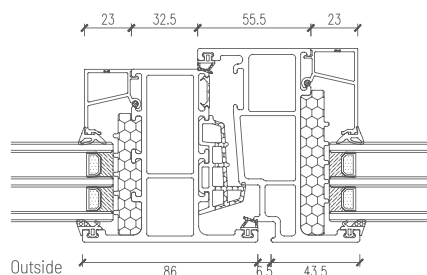
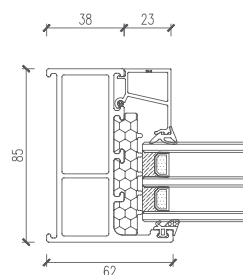
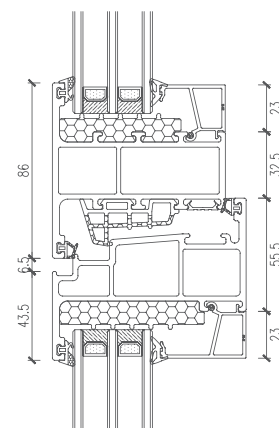
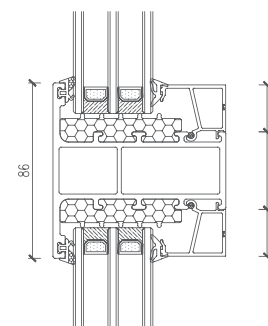
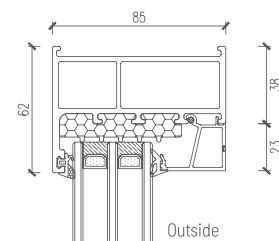
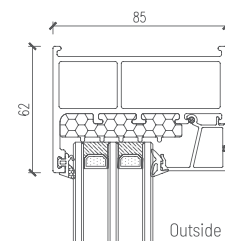


*Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse
produsului real și pot fi modificate fără notificare prealabilă.*

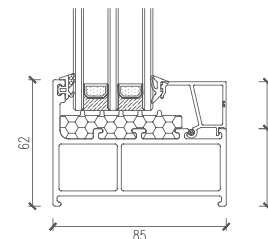
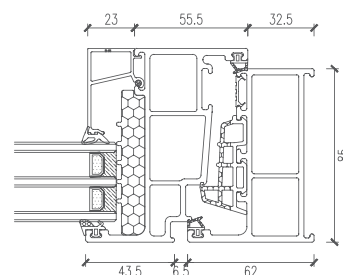
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



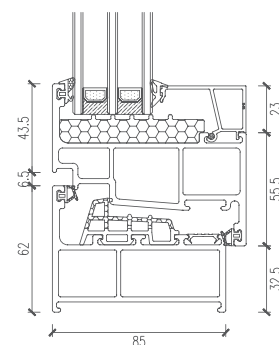
1-1



2-2



A-A



B-B

NPU85

Ușă cu deschidere spre interior în două canate certificată Passive House

Passive House-certified inward-opening double-leaf door

Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5Low-E+12A+5				1.2	
5Low-E+12Ar+5+12Ar+5Low-E	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	35-40dB
5Low-E+12Ar+5Low-E+12Ar+5 (Double silvered& Warm edge)				0.8	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



Uși și ferestre pasive din PU

Certificare PHI Germania

Cerințe pentru ferestre pasive în zona cu temperatură moderată: $U_w = 0,75 \leq 0,80 \text{ W/(m}^2\text{K)}$

Cerințe pentru ferestre pasive în zona cu temperatură rece: $U_w = 0,65 \text{ W/(m}^2\text{K)}$

Performanța obținută: nivel **PhA**

Sistem rezistent la foc

Clasificare **Ei 90** conform

EN 13501-2:2023

PU passive house doors and windows

German PHI certification

Passive window requirements for the cool temperature zone: $U_w = 0.75 \leq 0.80 \text{ W/(m}^2\text{K)}$

Passive window requirements for the cold temperature zone: $U_w = 0.65 \text{ W/(m}^2\text{K)}$

And the performance achieved **PhA** grade

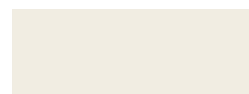
Fire-resistant system

Classification **Ei 90** according to

EN 13501-2:2023

CULORI SELECTIVE

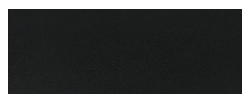
Personalizați-vă culoarea exclusivă



Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

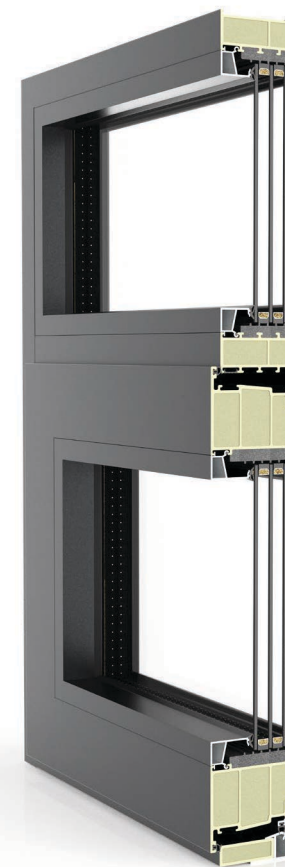


Gri închis / Dark Gray

SELECTIVE COLORS

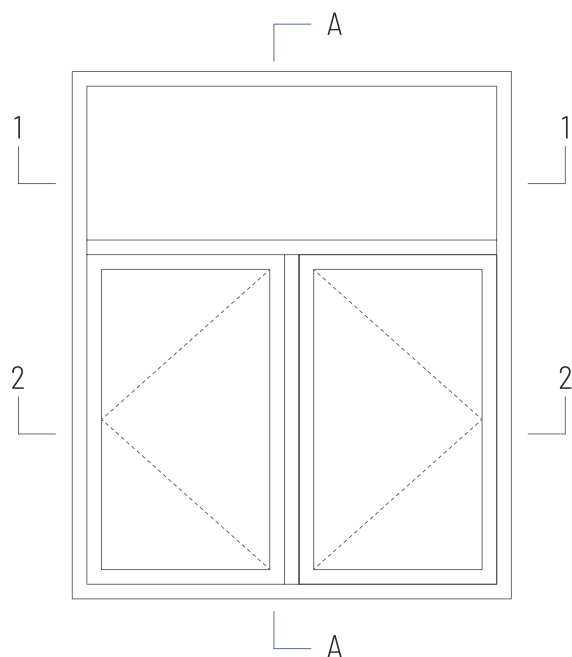
Customize Your Exclusive Color

Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



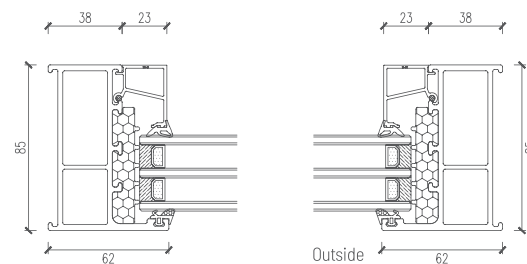
NPU85

Ușă cu deschidere spre interior în două canate certificată Passive House
Passive House-certified inward-opening double-leaf door

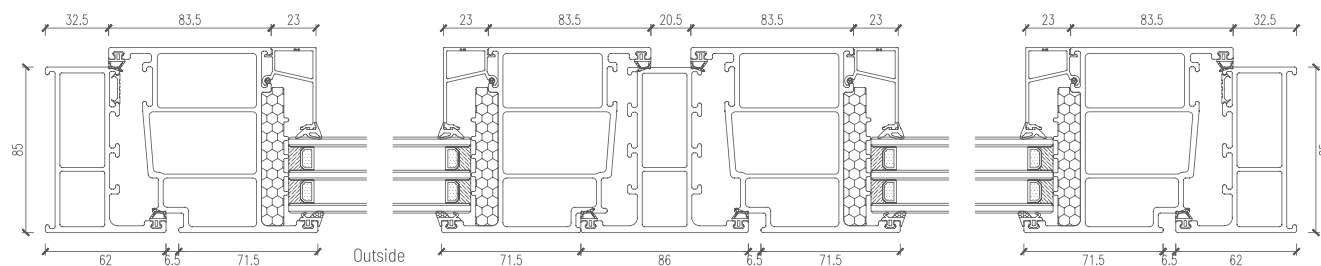


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

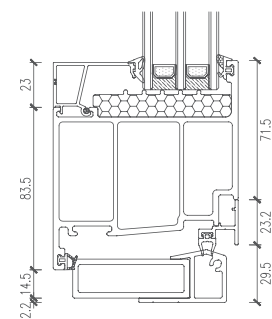
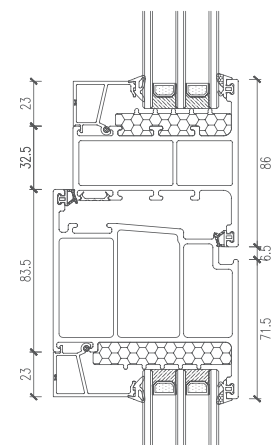
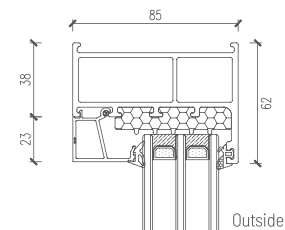
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



1-1



2-2



A-A

NPU85

Ușă cu deschidere spre interior într-un canat certificată Passive House

Passive House-certified inward-opening single-leaf door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5Low-E+12A+5				1.2	
5Low-E+12Ar+5+12Ar+5Low-E	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	35-40dB
5Low-E+12Ar+5Low-E+12Ar+5 (Double silvered& Warm edge)				0.8	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



Uși și ferestre pasive din PU

Certificare PHI Germania

Cerințe pentru ferestre pasive în zona cu temperatură moderată: $U_w = 0,75 \leq 0,80 \text{ W/(m}^2\text{K)}$

Cerințe pentru ferestre pasive în zona cu temperatură rece: $U_w = 0,65 \text{ W/(m}^2\text{K)}$

Performanța obținută: nivel PhA

Sistem rezistent la foc

Clasificare EI 90 conform

EN 13501-2:2023

PU passive house doors and windows

German PHI certification

Passive window requirements for the cool temperature zone: $U_w = 0.75 \leq 0.80 \text{ W/(m}^2\text{K)}$

Passive window requirements for the cold temperature zone: $U_w = 0.65 \text{ W/(m}^2\text{K)}$

And the performance achieved PhA grade

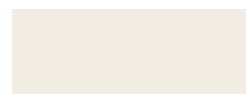
Fire-resistant system

Classification EI 90 according to

EN 13501-2:2023

CULORI SELECTIVE

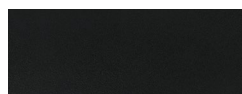
Personalizați-vă culoarea exclusivă



Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

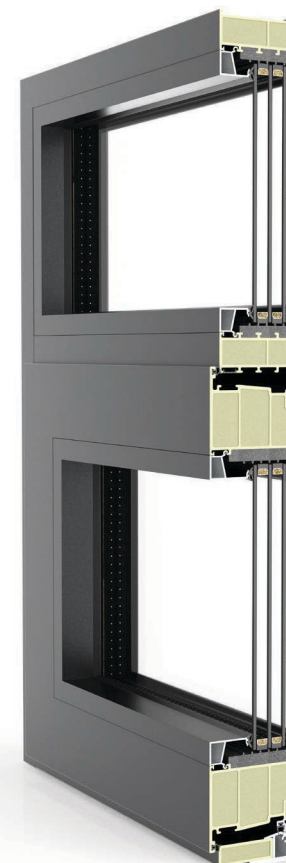


Gri închis / Dark Gray

SELECTIVE COLORS

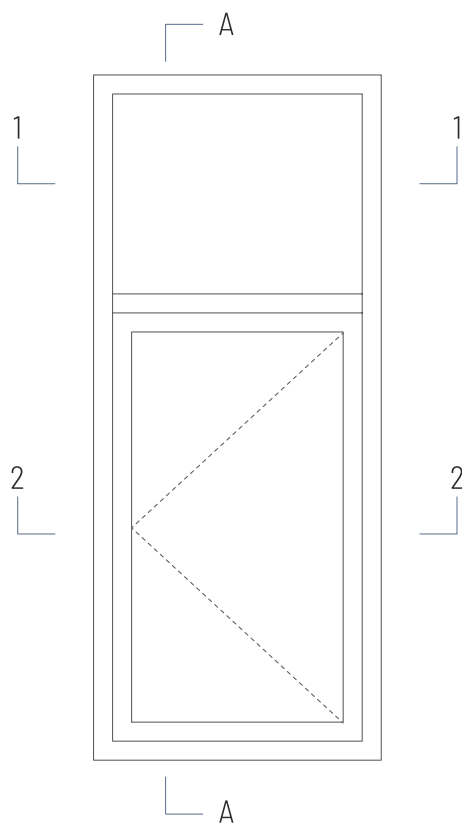
Customize Your Exclusive Color

Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



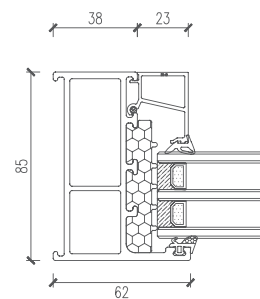
NPU85

Ușă cu deschidere spre interior într-un canat certificată Passive House
Passive House-certified inward-opening single-leaf door

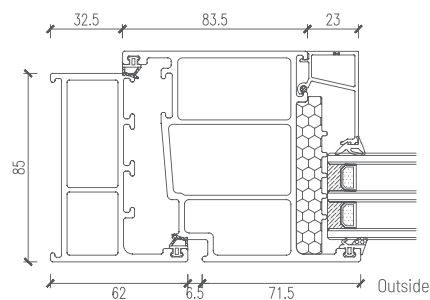
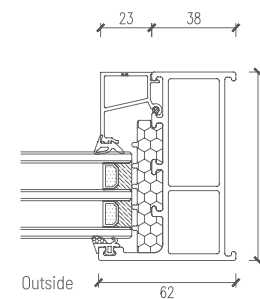


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

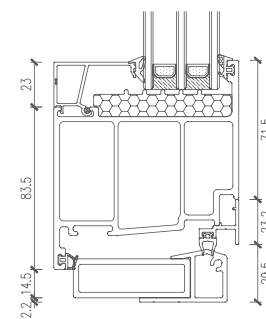
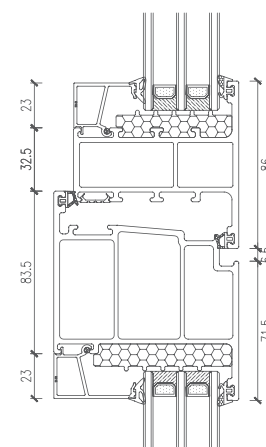
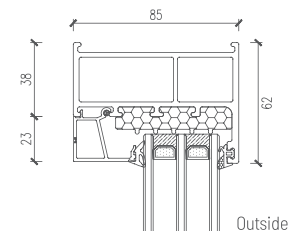
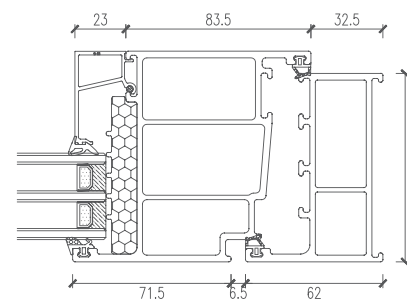
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



1-1



2-2



A-A

NPU85

Plasă de insecte ascunsă pentru ușă cu deschidere spre exterior într-un canat

Hidden insect screen for outward-opening single-leaf door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5Low-E+12A+5				1.2	
5Low-E+12Ar+5+12Ar+5Low-E	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	35-40dB
5Low-E+12Ar+5Low-E+12Ar+5 (Double silvered& Warm edge)				0.8	

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



Uși și ferestre pasive din PU

Certificare PHI Germania

Cerințe pentru ferestre pasive în zona cu temperatură moderată: $U_w = 0,75 \leq 0,80 \text{ W/(m}^2\text{K)}$

Cerințe pentru ferestre pasive în zona cu temperatură rece: $U_w = 0,65 \text{ W/(m}^2\text{K)}$

Performanța obținută: nivel **PhA**

Sistem rezistent la foc

Clasificare **EI 90** conform

EN 13501-2:2023

PU passive house doors and windows

German PHI certification

Passive window requirements for the cool temperature zone: $U_w = 0.75 \leq 0.80 \text{ W/(m}^2\text{K)}$

Passive window requirements for the cold temperature zone: $U_w = 0.65 \text{ W/(m}^2\text{K)}$

And the performance achieved **PhA** grade

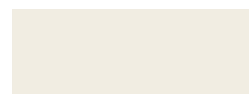
Fire-resistant system

Classification **EI 90** according to

EN 13501-2:2023

CULORI SELECTIVE

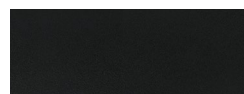
Personalizați-vă culoarea exclusivă



Alb / White



Maro / Brown



Negru / Black



Gri deschis / Slate Gray

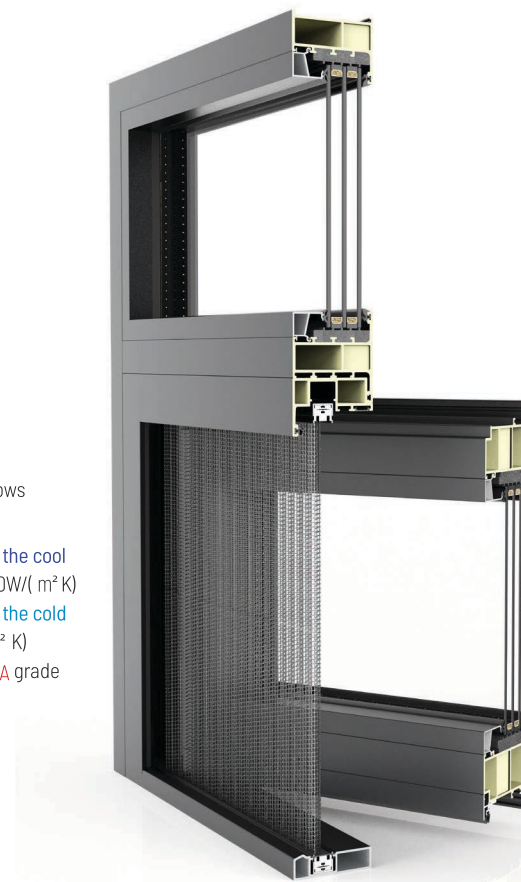


Gri închis / Dark Gray

SELECTIVE COLORS

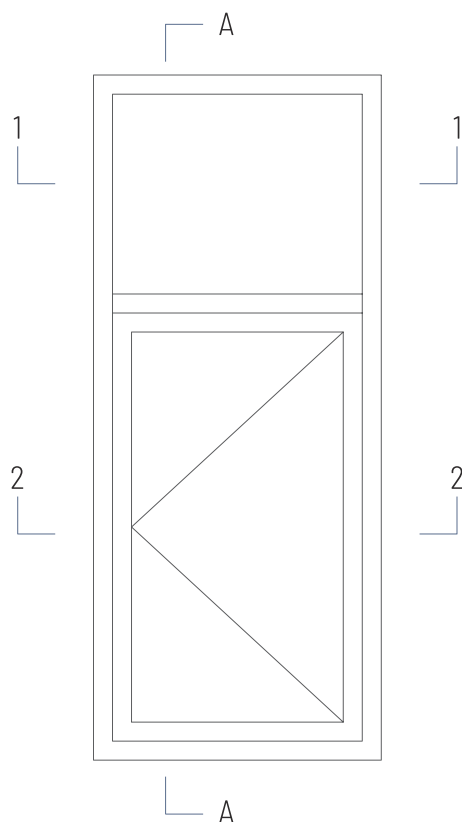
Customize Your Exclusive Color

Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



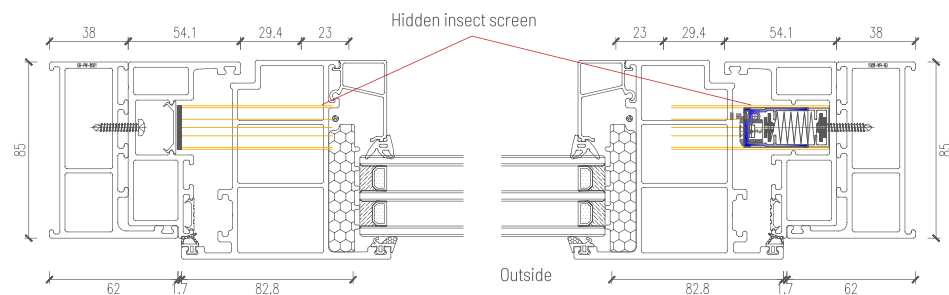
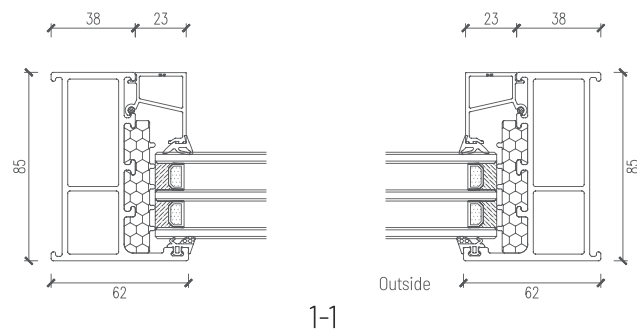
NPU85

Plasă de insecte ascunsă pentru ușă cu deschidere spre exterior într-un canat
Hidden insect screen for outward-opening single-leaf door

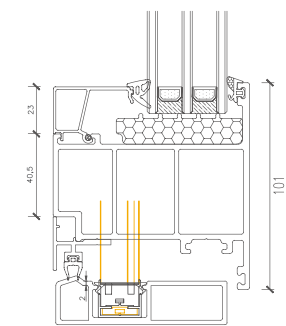
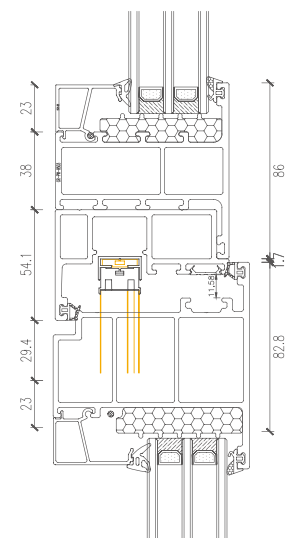
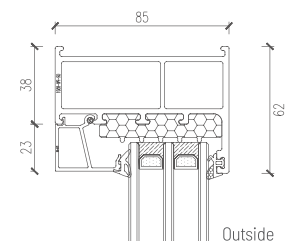


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



2-2



A-A

NPU90

Fereastră culisantă eficientă energetic

Energy-efficient sliding window

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5	9 $P_3 \geq 5.0$	4 $350 \leq \Delta P \leq 500$	4 $2.5 \geq q_1 \geq 2.0$ $7.5 \geq q_2 \geq 6.0$	2.2	3
5Low-E+12Ar+5				2.0	30-35dB

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



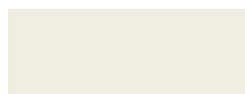
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

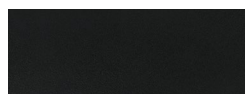
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



Alb / White



Maro / Brown



Negru / Black



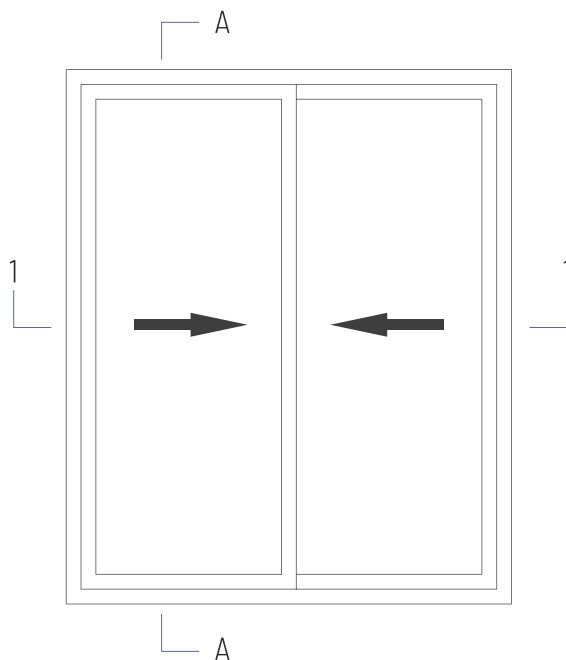
Gri deschis / Slate Gray



Gri închis / Dark Gray

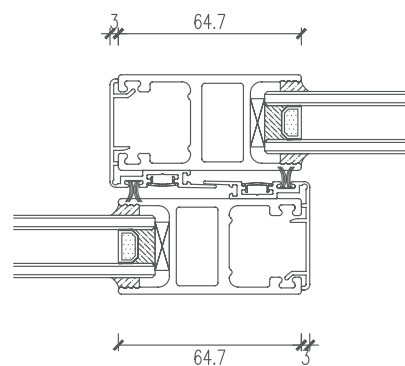
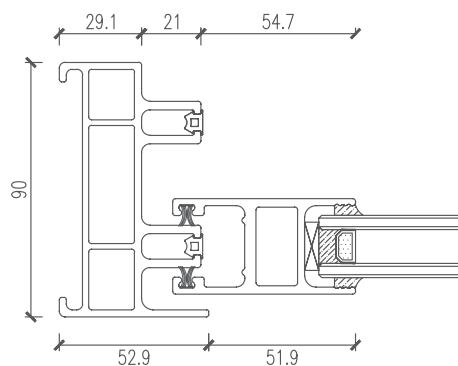
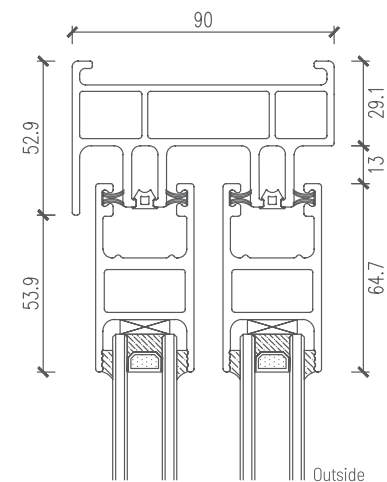
NPU90

Fereastră culisantă eficientă energetic
Energy-efficient sliding window

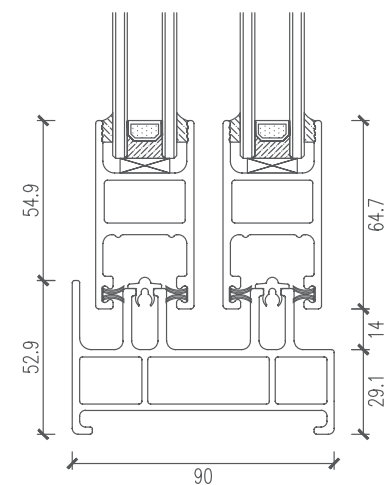
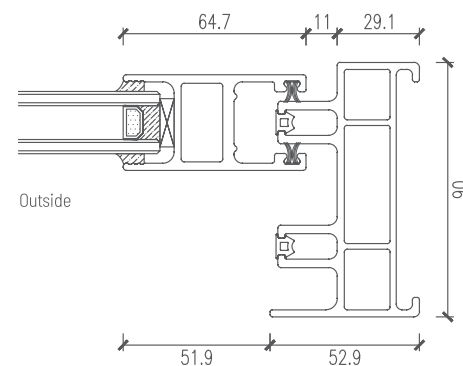


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



1-1



A-A

NPU90

Ușă culisantă eficientă energetic

Energy-efficient sliding door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5	9 $P_3 \geq 5.0$	4 $350 \leq \Delta P \leq 500$	4 $2.5 \geq q_1 \geq 2.0$ $7.5 \geq q_2 \geq 6.0$	2.2	3
5Low-E+12Ar+5				2.0	30-35dB

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



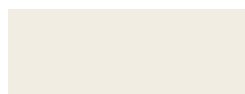
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

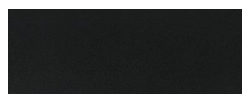
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



Alb / White



Maro / Brown



Negru / Black



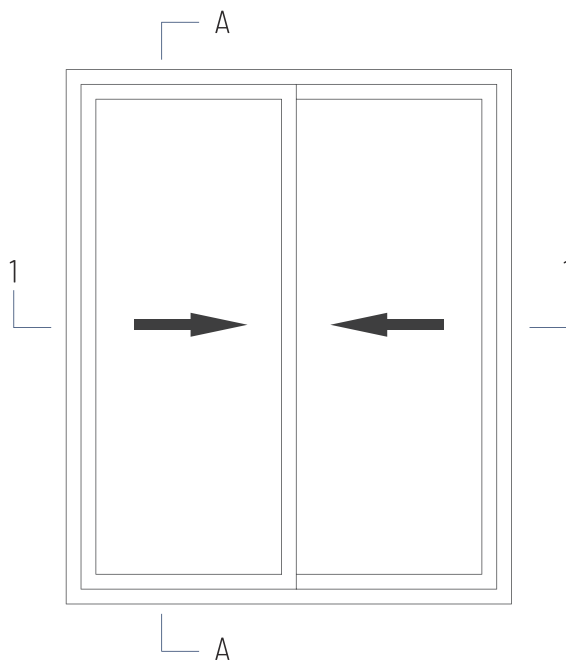
Gri deschis / Slate Gray



Gri închis / Dark Gray

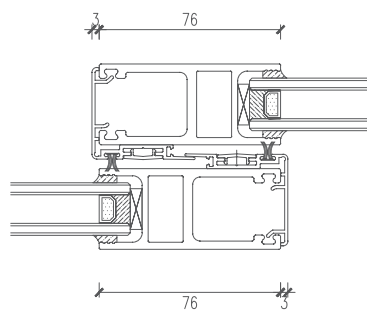
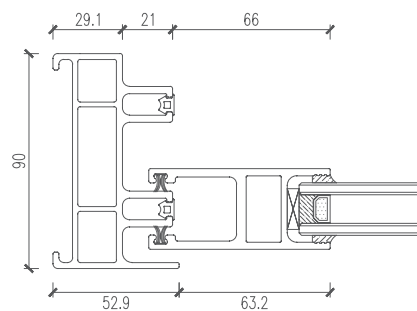
NPU90

Ușă culisantă eficientă energetic
Energy-efficient sliding door

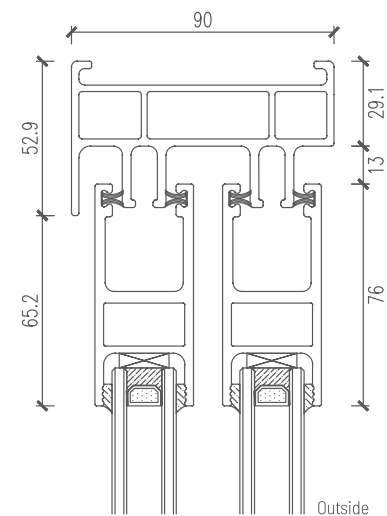
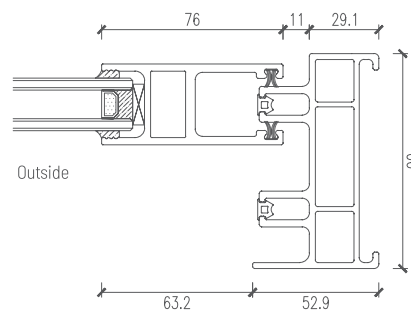


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse produsului real și pot fi modificate fără notificare prealabilă.

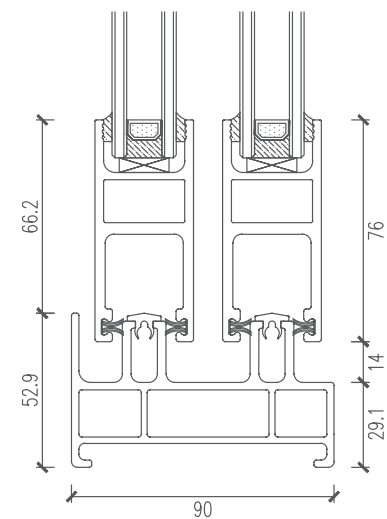
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to the actual product and may change without notice.



1-1



A-A



NPU132

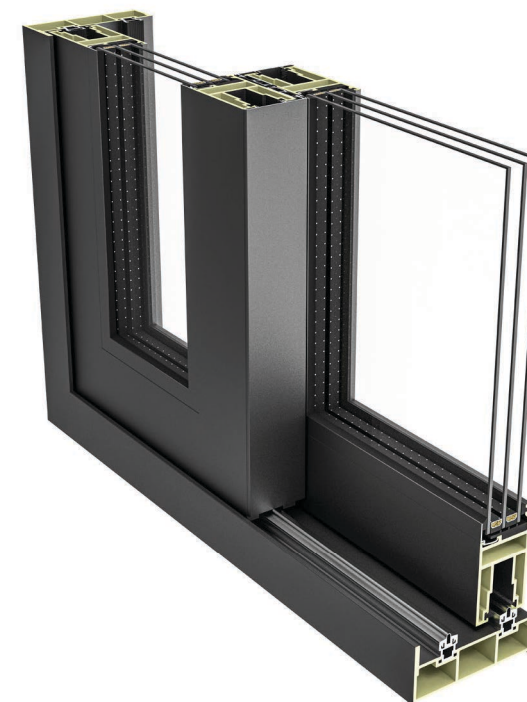
Ușă liftant-culisantă eficientă energetic

Energy-efficient lift&slide door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12A+5				2.0	3
5Low-E+12Ar+5	7 $4.0 \leq P_3 < 4.5$	5 $500 \leq \Delta P < 700$	8 $1.0 \geq q_1 > 0.5$ $3.0 \geq q_2 > 1.5$	1.8	30-35dB
5Low-E+9Ar+5Low-E+9Ar+5				1.4	4 35-40dB

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



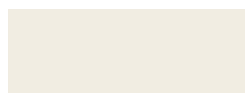
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

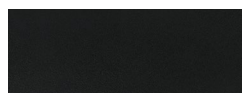
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



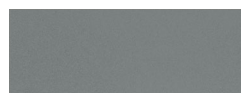
Alb / White



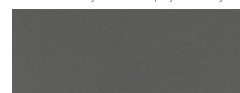
Maro / Brown



Negru / Black



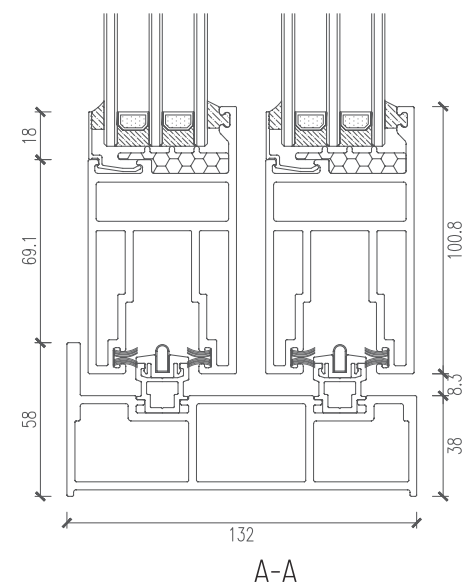
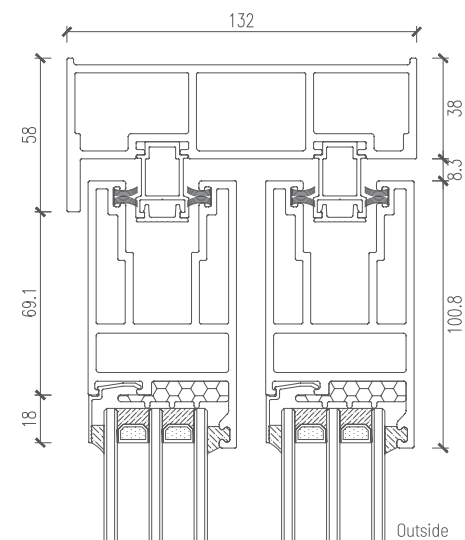
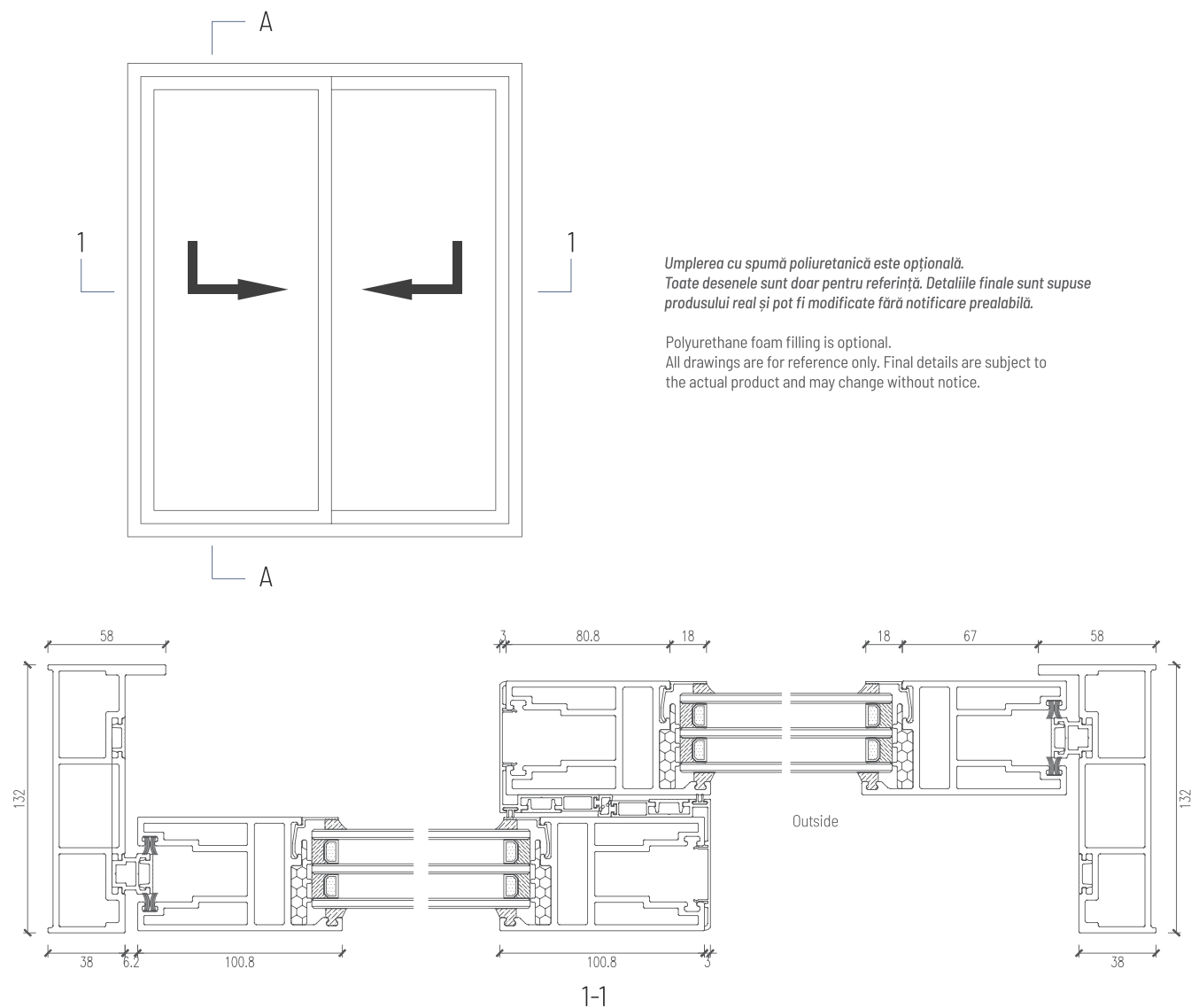
Gri deschis / Slate Gray



Gri închis / Dark Gray

NPU132

Ușă liftant-culisantă eficientă energetic
Energy-efficient lift&slide door



NPU145

Ușă culisantă eficientă energetic

Energy-efficient sliding door

					
Configurație sticlă	Rezistență la vânt	Etanșeitate la apă	Etanșeitate la aer	Izolare termică	Izolare fonică
Glass Configuration	Wind Load Resistance P_3 [Kpa]	Water Tightness ΔP [Pa]	Air Tightness q_1 / [m ³ /(m ² .h)] q_2 / [m ³ /(m ² .h)]	Thermal Insulation [W/(m ² .K)]	Sound Insulation
5Low-E+12Ar+5Low-E+12Ar+5				1.2	
5Low-E (Double silvered)+12Ar+5Low-E (Double silvered)+12Ar+5	9 $P_3 \geq 5.0$	6 $\Delta P \geq 700$	8 $q_1 \leq 0.5$ $q_2 \leq 1.5$	1.0	4 35-40dB

Datele de mai sus se bazează pe rezultatele testelor reale.

The above data are subject to actual test results.



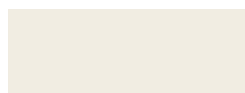
CULORI SELECTIVE

Personalizați-vă culoarea exclusivă

SELECTIVE COLORS

Customize Your Exclusive Color

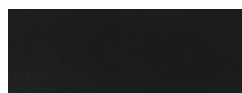
Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.



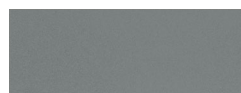
Alb / White



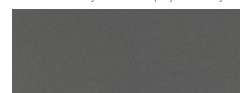
Maro / Brown



Negru / Black



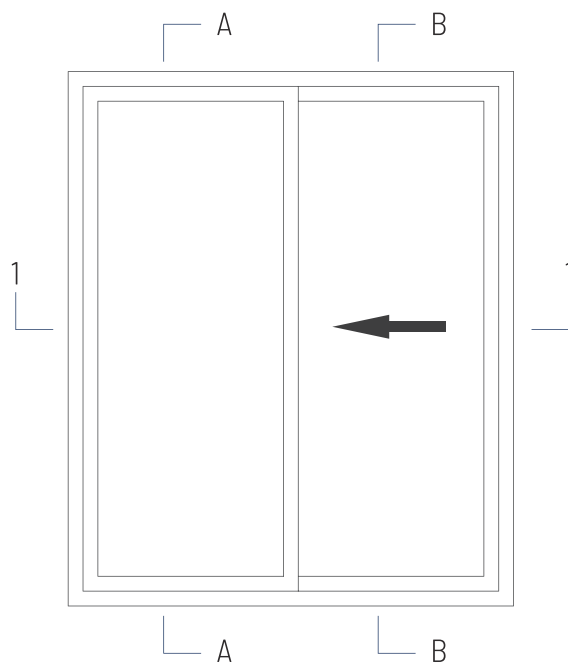
Gri deschis / Slate Gray



Gri închis / Dark Gray

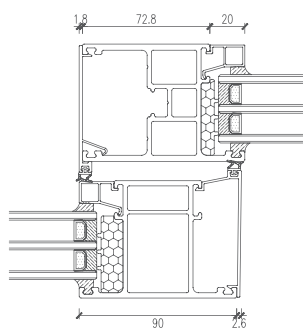
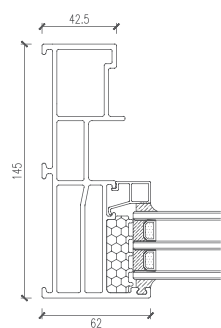
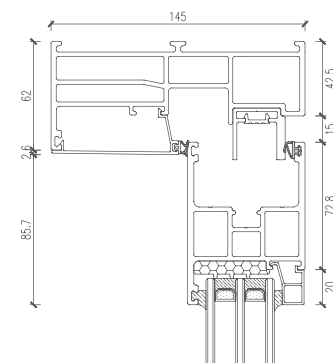
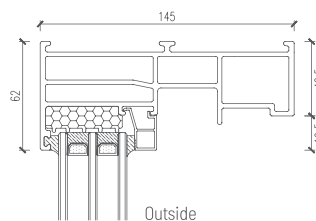
NPU145

Ușă culisantă eficientă energetic
Energy-efficient sliding door

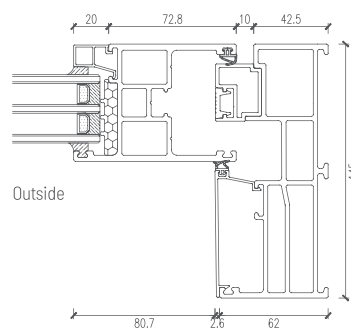


Umplerea cu spumă poliuretanică este opțională.
Toate desenele sunt doar pentru referință. Detaliile finale sunt supuse
produsului real și pot fi modificate fără notificare prealabilă.

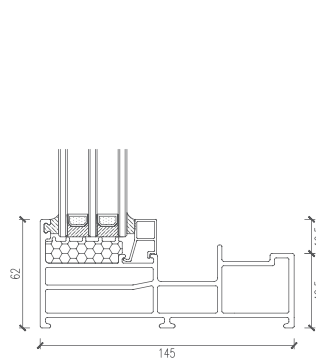
Polyurethane foam filling is optional.
All drawings are for reference only. Final details are subject to
the actual product and may change without notice.



1-1



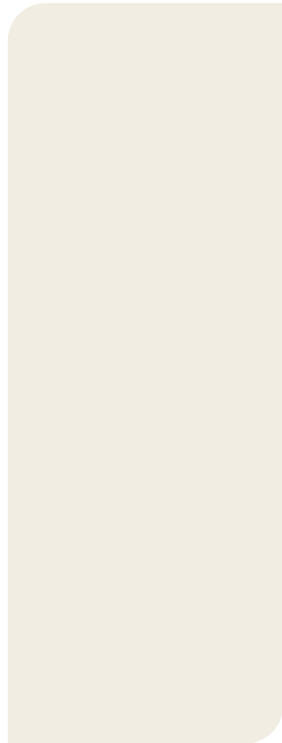
A-A



B-B

Culori standard ale produsului
Product Standard Color Chart

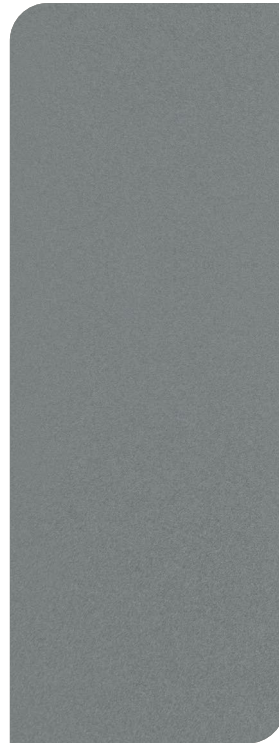
Vopsea ecologică pe bază de apă
Eco-Friendly Water-Based Paint



Alb / White



Maro / Brown



Gri deschis / Slate Gray



Gri închis / Dark Gray



Negru / Black

Personalizați-vă culoarea exclusivă
Customize Your Exclusive Color

Culoarea reală este cea a produsului fizic.
The actual color shall be subject to the physical object.

Prezentare parțială a proiectelor

Utilizat pe scară largă în proiecte rezidențiale, comerciale și municipale, atât la nivel național, cât și internațional. Widely used in domestic and international residential, commercial, and municipal engineering projects.



Application in school projects



Lingang International Kindergarten (Shanghai)



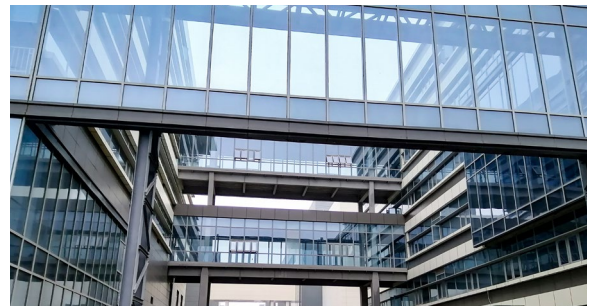
West Coast World Artificial Intelligence Conference, Building B



The new building of Shanghai ninth people's hospital



Dongliangxiang Ultra-Low Energy Consumption project (Hebei)



Xinen IC Co., LTD. R&D and production plant (Qingdao)



Pujiang Talent Apartment (Shanghai)



Application in office building projects



Lingang Fengxian Nanqiao Phase I (Shanghai)