



PRODUCT CATALOGUE

WINDOWS | GLAZED UNITS | SHEETS
FOR SECTIONAL DOORS



EXPERIENCE AND GOOD RELATIONS

Plast-System is a family company, originating from Wielkopolska, specialising in the production of glazing for sectional industrial and garage doors. The offer includes: plastic, stainless steel and ventilation windows, glazed units and plastic single sheets. We also implement projects tailored to individual customer needs.

Over 80% of our production is exported to foreign markets. In Poland, PLAST-SYSTEM products are the preferred choice for the leading manufacturers of industrial and residential doors.

We analyse trends in the market of wide-ranging joinery and adapt the product portfolio to current needs, always bearing in mind the visible quality of products and the principles of cooperation with partners and contractors.

We would be pleased to
welcome you to
our facility.



Transparent rules and clear production standards, together with strong and lasting relationships, are the key elements of a successful manufacturing company. At PLAST-SYSTEM, we have been proving this for more than 20 years by consistently following a clear path where the principles are:

- uncompromising approach to the quality of components and semi-finished products,
- regularly upgraded machinery,
- implementation of solutions guaranteeing an uninterrupted manufacturing process,
- perfect production planning and its timely implementation,
- innovation, openness, attention to detail,
- committed, proven team.

“

WE CREATE
VISIBLE QUALITY
AT EVERY STAGE OF
OUR OPERATIONS.

”

OUR MANUFACTURING STANDARDS



Machinery

Constantly expanded,
modern machinery



Environmental protection

Waste minimization, waste-free
production, reduction of carbon
footprint



Proven raw material

Top-class components from
European suppliers



Repeatable production

Optimized processes
guaranteeing 100% repeatability



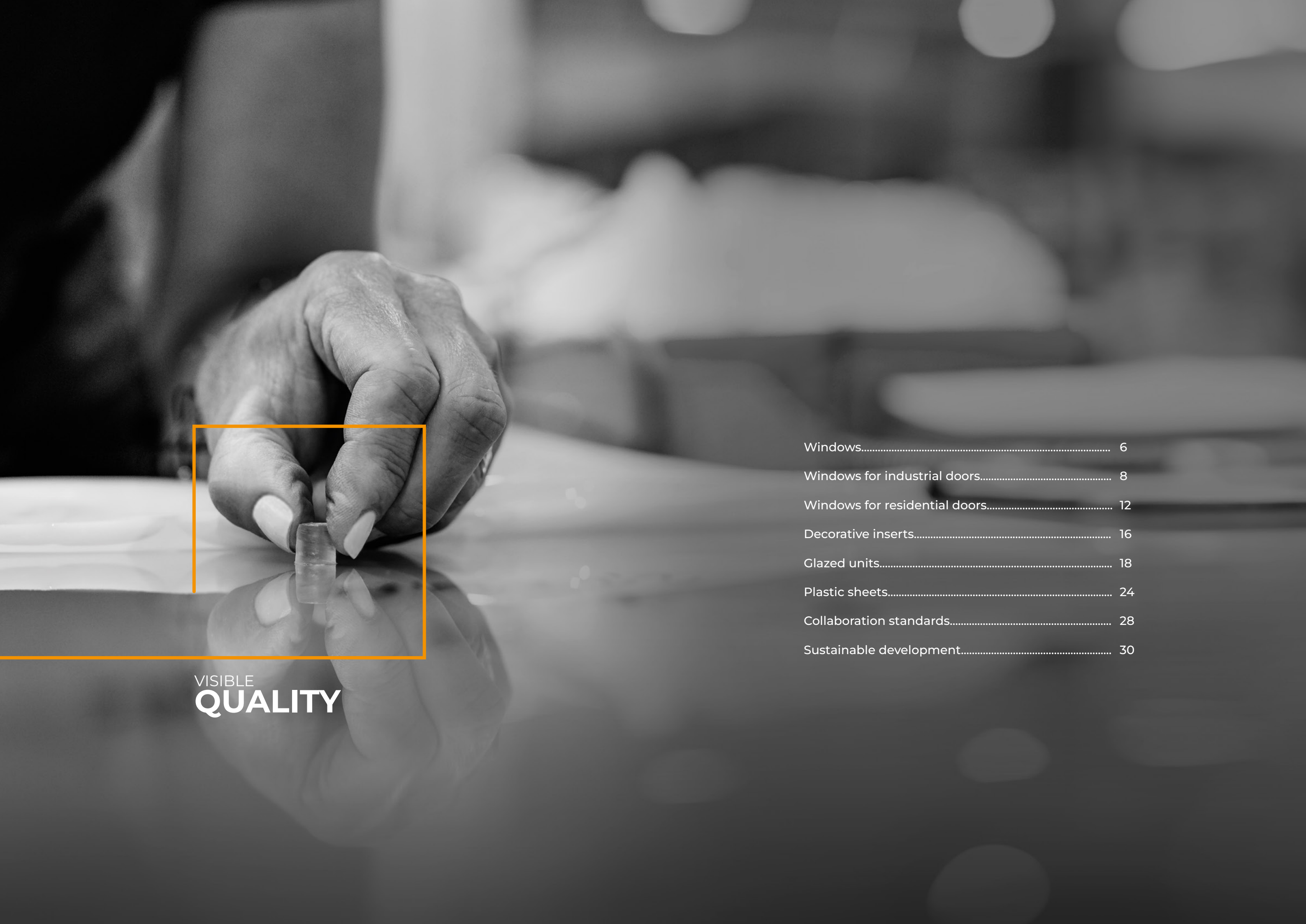
Perfect finish

Attention to the aesthetics
and functionality of products



Short deadlines

Optimized deadlines –
normally up to two weeks



VISIBLE
QUALITY

Windows.....	6
Windows for industrial doors.....	8
Windows for residential doors.....	12
Decorative inserts.....	16
Glazed units.....	18
Plastic sheets.....	24
Collaboration standards.....	28
Sustainable development.....	30

WINDOWS

Compact, 100% repeatable,
individually tailored,
ready to use

We are a manufacturer of windows for industrial and residential sectional doors. For the production of our windows, we use insulated plastic glazed units, which are also manufactured in our factory. Windows with plastic glazed units are almost half as light as their glass counterparts, and at the same time more durable, more convenient to operate (lower weight means less cost of production of the door).

WINDOWS FOR INDUSTRIAL DOORS

Windows for industrial doors feature a robust construction and are larger than windows for residential doors. We offer plastic windows for industrial sectional doors (screws and clips) in various dimensions and shapes, as well as windows for industrial rolling doors.



WINDOWS FOR RESIDENTIAL DOORS

The range of windows for sectional residential doors includes: plastic (wide RAL pallet), stainless steel (316L steel), ventilation windows and decorative inserts. For production, we use high-quality components from European manufacturers and technology that ensures full repeatability.

DECORATIVE INSERTS

Decorative inserts for residential windows are manufactured from high-quality PMMA (acrylic) and are available in three colours: white, black, and anthracite. Installed inside the glazed unit, these decorative elements remain securely fixed, ensuring excellent stability and protection from dirt and dust.

As a result, they maintain their attractive appearance and stay clean throughout the entire service life of the garage door.



DEFINITIONS

- i** – industrial (window for industrial doors)
- r** – residential (residential door window)
- s** – steel (stainless steel window)
- v** – ventilation (ventilation window)

WINDOWS FOR INDUSTRIAL DOORS

Robust construction, room lighting, improving the safety of warehouse employees

PLAST-SYSTEM windows for industrial doors are available in various colour versions and types of glazed units used. We offer them in two mounting variants – screws and clips.

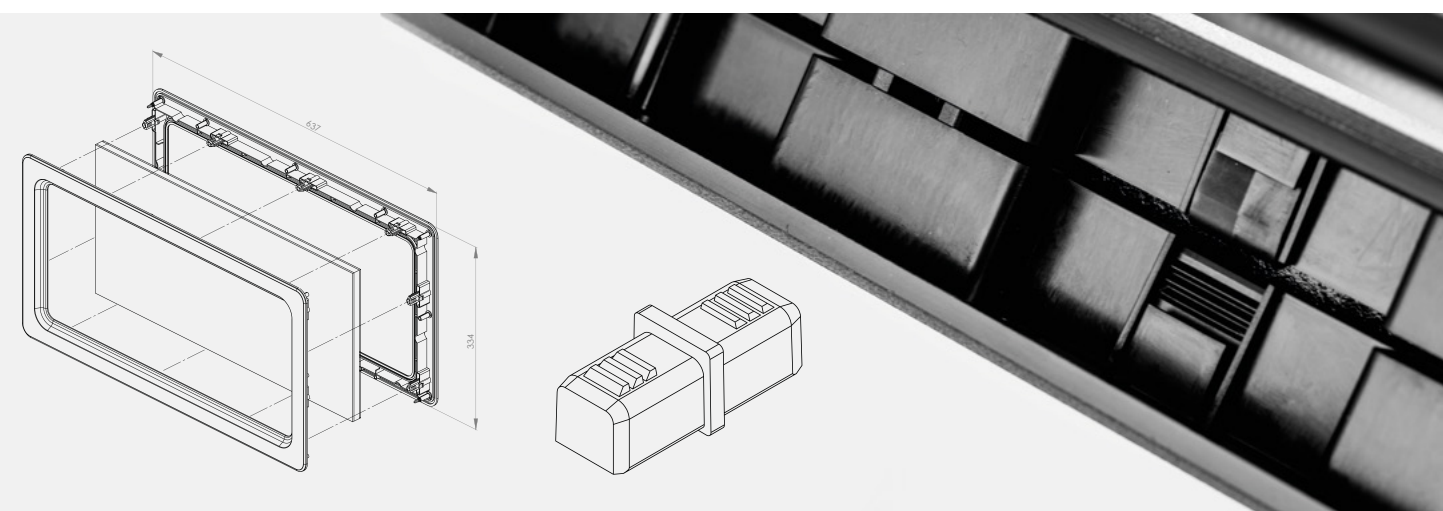
SCREWS

The screws design allows easy installation of the window without the use of specialized tools and its convenient disassembly or replacement. The use of screws allows for precise control of the clamping force of the frame, which facilitates the correct installation of the window and ensures proper tightness.



CLIPS

Modern design windows with a quick clips function. Precision-made elements are fully compatible, ensuring comfortable and quick installation of the window in the door panel.



[Read more](#)

WINDOWS FOR INDUSTRIAL DOORS



i336 screws



i336 clips



i203 screws



i345 screws



i345 clips



i370 screws



i370 clips



i430 screws



i430 clips



MODEL WINDOW	External frame dimensions [mm]	Cut-out dimension [mm]	Light dimensions [mm]	Panel thickness [mm]							Frame colour + material*			Frame structure	Glazing	
				40	42	45	50	52	60	80	black ABS	white ASA	silver ASA		PMMA clear	colours / textures
i336 screws	334 x 637	305 x 610	245 x 551	x	x	x	x	x	x	x	x	x	x	x	x	x
i336 clips	334 x 637	305 x 610	245 x 551	x				x			x	x	x	x	x	x
i203 screws	201 x 613	180 x 588	136 x 547	x	x	x	x	x	x	x	x	x		x	x	x
i345 screws	345 x 665	320 x 640	253 x 580	x	x	x	x	x	x	x	x			x	x	x
i345 clips	345 x 665	320 x 640	253 x 580	x	x		x				x			x	x	x
i370 screws	369 x 680	345 x 656	282 x 593	x	x	x	x	x	x	x	x			x	x	x
i370 clips	369 x 680	345 x 656	282 x 593	x	x			x			x			x	x	x
i430 screws	430 x 770	405 x 745	342 x 682	x		x		x		x	x			x	x	x
i430 clips	430 x 770	405 x 745	342 x 682	x				x			x			x	x	x

* Frame colour according to the standard offer; other colours from the RAL palette available on request.

WINDOWS FOR RESIDENTIAL DOORS

High-end components,
perfect fit, repeatability
of production

The range of windows for residential doors includes plastic products (a wide range of colours and designs) and stainless steel, both as well as ventilation windows.

WINDOWS FOR RESIDENTIAL DOORS

They are characterized by excellent weather resistance and are compatible with most types of sectional door panels, meeting the requirements of European door manufacturers. They are screw-mounted, allowing for improved sealing and more precise control of tightness. Windows with plastic frames are available in a wide range of RAL colours. We also manufacture windows with frames made of 316L stainless steel.



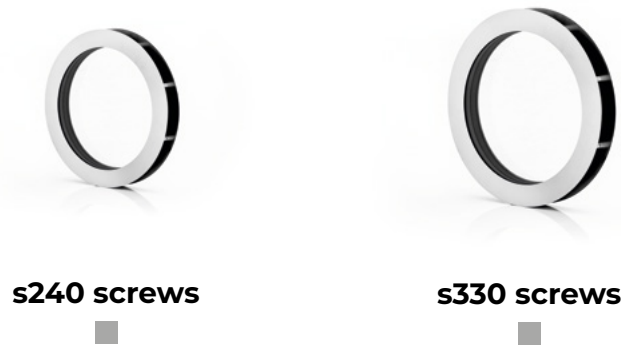
VENTILATION WINDOWS

Ventilation windows are an excellent solution for ensuring adequate air circulation (at the level of 60%), e.g. in garage halls of multi-family buildings. We offer grilles made of galvanized steel in RAL 9005 and 9016, plastic and stainless steel (PREMIUM).



[Read more](#)

WINDOWS FOR RESIDENTIAL DOORS



VENTILATION WINDOWS



WINDOWS FOR RESIDENTIAL DOORS

MODEL WINDOW	External frame dimensions [mm]	Cut-out dimension [mm]	Light di-mensions [mm]	Panel thickness [mm]				Frame colour + material*								Frame structure		Glazing		
				40	42	45	60	black ABS	brown ABS	white 9010 ASA	white 9016 ASA	silver ASA	anthracite 7016 ABS	Golden Oak ABS	Dark Wood ABS	Mahogany ABS	smooth	woodgrain	colourless PMMA	colours and textures
r324 screws	328 x 499	298 x 468	261 x 431	x	x	x	x	x	x	x							x	x	x	x
r344 screws	345 x 535	320 x 510	272 x 465	x	x		x	x	x	x	x	x	x	x	x	x	x		x	x

* Frame colour according to the standard offer; other colours from the RAL palette available on request.

STAINLESS STEEL

MODEL WINDOW	External frame dimensions [mm]	Cut-out dimension [mm]	Light dimensions [mm]	Panel thickness [mm]			Outer frame material	Inner frame material		Glazing		
				40	42	60		brushed steel 316L	white ASA plastic	PMMA SCRATCH FREE	PMMA Satin SCRATCH FREE	
s140	140 x 980	108 x 947	70 x 910	x	x	x	brushed steel 316L	brushed steel 316L		x	x	
s203	203 x 610	180 x 588	135 x 545	x	x	x	brushed steel 316L		x	x	x	
s270	270 x 270	238 x 238	200 x 200	x	x	x	brushed steel 316L	x		x	x	
s310	310 x 310	270 x 270	230 x 230	x	x	x	brushed steel 316L	x		x	x	
s240	d=240	d=210	d=170	x	x	x	brushed steel 316L	x		x	x	
s330	d=330	d=297	d=256	x	x	x	brushed steel 316L	x		x	x	

VENTILATION WINDOWS

MODEL WINDOW	External frame dimensions [mm]	Cut-out dimension [mm]	Light dimensions [mm]	Panel thickness [mm]	Frame colour + material*			Fill / Grid				
				40	white ASA	black ABS	brushed steel 316L	white metal	black metal	brushed steel	white ASA plastic	black plastic
v203 steel vent grille	201 x 610	180 x 588	136 x 547	x	x	x	x	x	x	x		
v203 plastic vent grille	201 x 610	180 x 588	136 x 547	x	x	x					x	x
v203 PREMIUM (stainless steel)	201 x 610	180 x 588	136 x 547	x	x		x			x		

DECORATIVE INSERTS

Individual style, aesthetics and functionality

Decorative inserts are available as standard for the r344 window model. They are made of UV-resistant PMMA sheet and mounted inside the glazed unit. On request, we produce decorative inserts customized for each window model in our range.

AVAILABLE DECORATIVE INSERTS PATTERNS



Cross



Diamond 1



Diamond 2



2-element sun



3-element sun



4-element sun



[Read more](#)

PLASTIC GLAZED UNITS

Lightweight, transparent and flexible applications

The offer of PLAST-SYSTEM glazed units made of plastic includes double, triple and quadruple units. For their production, we use various combinations of plastic sheets: PMMA (acrylic) and PC (polycarbonate) – depending on the expected degree of light permeability and thermal transmittance.

PLASTIC GLAZED UNITS

Plastic glazed units are widely used in modern sectional doors. They are lighter and offer better thermal insulation than traditional glass. Their low weight is particularly beneficial for both - manually operated doors and doors fitted with electric operators.

The most important advantages of plastic glazed units:

- Good interior lighting – plastic sheets have a light transmittance index comparable to glass.

- Low weight – they are half the weight of those made of glass.
- Good thermal insulation – which is growing with the thickness of the unit.
- Excellent tightness – thanks to the perfect and innovative HOTMELT seal that works with sheets when changing temperature.

We produce glazed units on individual order – tailored to the size, colour and configuration of the sheets according to the customer's requirements.

TYPES OF GLAZED UNITS



double



triple



quadruple

TYPES OF GLAZED UNITS	Material	Total thickness	Transmittance [Uw]	Light transmission
double	PMMA 2,0 + PMMA 2,0*	20 mm	2,4 W/m²K	92%
double	PMMA 2,3 + PMMA 2,3	20 mm	2,4 W/m²K	92%
double	PMMA 2,3 + PMMA 2,3	28 mm	2,3 W/m²K	92%
double	PMMA 3,0 + PMMA 3,0	16 mm	2,5 W/m²K	92%
triple	PMMA 2,0 + PMMA 2,3 + PMMA 2,0	28 mm	1,8 W/m²K	92%
triple	PMMA 3,0 + PMMA 2,3 + PMMA 3,0	40 mm	1,7 W/m²K	92%
quadruple	PMMA 2,0 + PMMA 2,0 + PMMA 2,0 + PMMA 2,0	40 mm	-	92%

* SafePin spacer required.



[Read more](#)

GLAZED UNITS – GLAZING VARIANTS



PMMA



PMMA SCRATCH FREE



PMMA SATIN



PMMA MILK



PMMA SMOKED



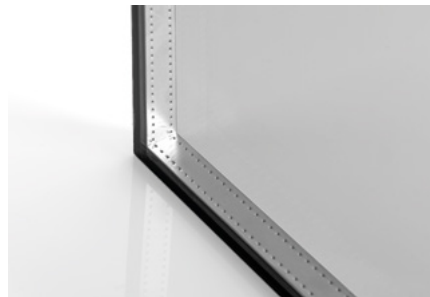
PMMA BARK



**PMMA SATIN
SCRATCH FREE**



**PMMA BLACK
SCRATCH FREE**



PMMA GREY



PC



SAN POREX

GLAZED UNITS – ADDITIONAL OPTIONS



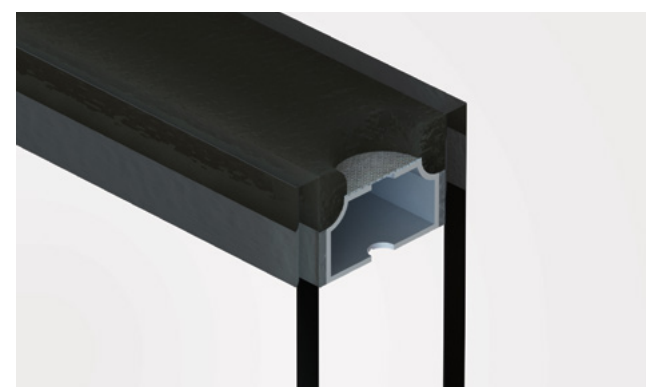
SCRATCH FREE

SCRATCH FREE (hard coated) is a specialised protective coating of PMMA sheets characterized by high resistance to scratches and chemical agents. Recommended for use in all doors with glazed units, especially those intensively used, with an increased risk of mechanical damage.



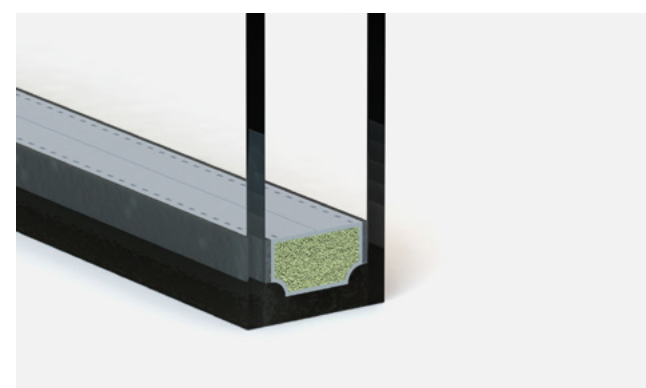
Glazed units up to 5 meters long

Long glazed units – available in lengths up to 5 metres – are manufactured from durable 3.0 mm PMMA or 3.0 mm PMMA SCRATCH FREE sheets. This solution is ideal for very wide doors, enhancing their appearance, increasing the amount of natural light, and providing better visibility of the interior.



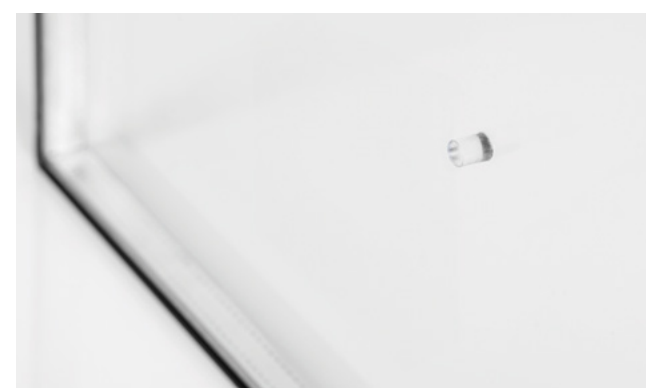
Micro ventilation

Micro ventilation used in the glazed units is a special vapor-permeable tape, which minimizes the effect of possible evaporation and deformation of plastic sheets in the unit. It is used in glazed units for special-purpose residential and industrial doors, in a demanding and humid environment.



Aluminium profile with an internal mesh

The aluminium profile with a mesh in the middle is used in glazed units or plastic windows mounted in places exposed to moisture. Inside the aluminium profile, there is a molecular mesh (a type of moisture trapping absorbent) that prevents the effect of window evaporation.



SafePin – spacer

SafePin is a minimalist spacer that prevents thin sheets (2.0 mm or less) from sticking together during door operation. This solution helps to maintain adequate sheet spacing, which is particularly important for glazed units with a total thickness equal to or less than 20 mm or with an area greater than 0.55 m².

PLASTIC SHEETS

Precise cutting, a variety of visual effects and tailored properties

Plastic sheets from the PLAST-SYSTEM range differ in terms of such parameters as: light transmission, thermal insulation, thickness, colour or resistance to damage.

Thanks to the wide range and various properties of plastics, combinations of sheets and windows in the PLAST-SYSTEM can be selected to obtain a product perfectly tailored to the needs of a specific implementation – both in terms of insulation properties and visual effects.

TYPES OF SHEETS



PMMA (ACRYLIC)

Colourless, homogeneous material with very high transparency and resistance to UV and weather conditions. Rigid and durable, designed for outdoor use. It is 2 times lighter than glass, up to 10 times more impact resistant and has 4–5 times better thermal insulation indexes. Light transmission: 92%.



PMMA SCRATCH FREE

It is a colourless sheet with a special SCRATCH FREE coating that makes it more resistant to scratches and chemicals than a standard PMMA sheet. The colourless material UV resistant and has light transmission: 92%.



PMMA SATIN

A material with a homogeneous, semi-matt structure without a milky effect, which allows for evenly diffused, calm light while maintaining privacy. The sheet is UV resistant. Light transmission: 78%.



PMMA SATIN SCRATCH FREE

A sheet with a special SCRATCH FREE coating, which makes it more resistant to scratches and chemicals than standard PMMA sheets. The material is UV-resistant. Light transmission: 78%.



PMMA BLACK SCRATCH FREE

SCRATCH FREE coated sheet. Black coloration, low light transmission provide a mirror effect and more privacy inside. The material is characterized by higher crack resistance – up to 40% (PMMA poured) compared to extruded sheets - and resistance to UV radiation. Light transmission: 3%.

TYPES OF SHEETS



PMMA GREY

The grey colour of the sheet is the perfect compromise between light transmission and discreet darkening of the interior of the building. High-quality material that improves the aesthetics of the door and the facade of the building, and at the same time provides good protection against sunlight (UV resistant). Light transmission: 51%.



PMMA MILK

The white colour of the sheet and the low light transmission coefficient guarantee the maximum level of privacy. The material is UV resistant and has light transmission: 4%.



PMMA SMOKED

Brown-tinted sheet with a smoke effect. It provides subtle light diffusion and reduced solar transmission while maintaining good visibility. The panel is UV-resistant and has a 50% light transmission rating.



PMMA BARK

The bark-effect texture on the surface of the sheet ensures excellent natural light penetration, whilst providing a blurred visual effect and a high level of privacy inside the room. It is UV-resistant. Light transmission: 92%.



PC (POLYCARBONATE)

A material with exceptional resistance to cracking under sudden loads and impacts. The ideal choice when durability and safety are the top priorities. UV-resistant, half the weight of glass, up to 200 times more mechanically robust and 4–5 times more thermally insulating. Light transmission: 86%.



SAN POREX (POLYSTYRENE)

One side of the sheet features a textured finish (known as an ‘orange peel’ effect), which ensures good light transmission whilst creating a blurred effect - providing a high level of privacy. The material offers good resistance to chemicals and is UV-resistant. Light transmission: 86%.

Sheet	Material			Thickness [mm]								Area		Light transmission
	acrylic (PMMA)	polystyrene (SAN)	polycarbonate (PC)	1,5	2,0	2,3	2,5	3,0	4,0	6,0	10,0	smooth	structure	
PMMA	x			x	x	x	x	x	x	x		x		93%
PMMA SCRATCH FREE	x				x	x		x				x		93%
PMMA Satin	x							x				x		78%
PMMA Satin SCRATCH FREE	x							x				x		78%
PMMA Black SCRATCH FREE	x							x				x		3%
PMMA Grey	x							x				x		51%
PMMA Milk	x							x				x		4%
PMMA Smoked	x							x				x		50%
PMMA Bark	x								x				x	92%
PC			x		x			x			x	x		86%
SAN Porex		x				x							x	86%

VISIBLE QUALITY IN EVERY ASPECT OF BUSINESS

Our motto – **VISIBLE QUALITY** – reflects the standards of cooperation, based on commitment, innovation and openness.



EFFICIENT AND MODERN MACHINERY

Our modern manufacturing facility is continuously developed and equipped with advanced production technologies. Designed according to ergonomic principles, our production line delivers efficient, uninterrupted operations, while high-quality machinery ensures the **VISIBLE QUALITY** of every product we manufacture.

Through meticulous production planning, we optimise manufacturing capacity, ensure on-time delivery, minimise downtime, and reduce material waste.

Our machinery includes:

- Krauss Maffei injection moulding machines – BluePower CX 350-2000,
- Holzma horizontal saw for cutting sheets,
- vertical saw for cutting acrylic sheets up to 5 m long,
- automatic saw for cutting aluminium profiles,
- robot dosing the sealing with 100% repeatability.



PERFECTLY PLANNED LOGISTICS

We have built a network of trusted European suppliers of raw materials and components, ensuring faster access to materials and greater control over the quality of the components we use.

As a result, we are able to complete most orders within up to two weeks. Our convenient location, reliable logistics partners, and in-house warehouse enable us to provide efficient and dependable logistics services.



COMMITTED, EXPERIENCED TEAM

Our team brings together specialists in technology and manufacturing process development, machine and production line optimisation, experienced customer service professionals, logistics experts, and skilled production personnel dedicated to the precise and timely fulfilment of every order.

The customer service team communicates in five languages: Polish, English, German, French, and Dutch, ensuring efficient and professional support for customers across Europe.



SUSTAINABLE DEVELOPMENT



RESPONSIBILITY FOR TOMORROW

We approach sustainability responsibly and strategically. Every change in our plant is made with the future in mind – analysing its impact on both production and the environment. We are looking for solutions that combine business development, operational and economic efficiency with care for the planet.



A STABLE NETWORK OF EUROPEAN BUSINESS PARTNERS

We value business relationships based on transparent principles and believe in the strength of the common European market. Since the beginning of our operations, we have been developing a network of contacts among trusted suppliers of raw materials and components. Cooperation with European suppliers means a shorter supply chain, faster access to components, and, of course, a reduced carbon footprint.



INTEGRATION OF PRODUCTION PROCESSES (IN-HOUSE)

We believe that visible quality is built locally. Therefore, we consistently strive to implement all key production processes in the in-house model at factory in Wolsztyn. This approach allows to optimize organizational and logistic costs, increase quality control, use raw materials more efficiently and reduce energy consumption, which translates into a systematic reduction of the carbon footprint.



WORK SAFETY CULTURE

Ensuring employee safety is one of the core pillars of our business. In our production facility, we maintain high health, safety, and fire protection standards. Our office spaces are designed with ergonomics and comfort in mind.

We regularly participate in first aid training, and our facility is equipped with an AED (automated external defibrillator).



OPTIMISING OPERATIONAL EFFICIENCY

We plan our production processes to maximise manufacturing capacity and ensure the efficient use of resources. This enables smooth order fulfilment, minimises downtime, and reduces material waste.

We continuously invest in expanding and modernising our machinery, selecting technologies that deliver high productivity while optimising energy and raw material consumption.



ENVIRONMENTALLY FRIENDLY INFRASTRUCTURE

In 2023, we relocated to a new, energy-efficient headquarters equipped with a photovoltaic system and surrounded by green spaces. We use certified renewable energy sources and print our information materials on eco-friendly paper.

VISIBLE QUALITY IN EVERY DETAIL

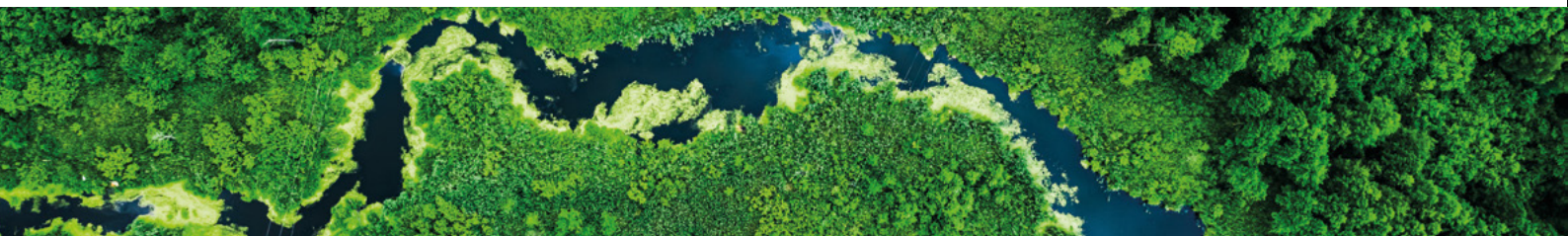
We focus on every detail – from carefully selected raw materials and precise processing, through advanced manufacturing that ensures full compliance with customer expectations, to the refined finishing of each product.

Every stage of production demonstrates our commitment to excellence.

We believe that attention to detail elevates the final product and defines a new standard of quality: **VISIBLE QUALITY**.



VISIBLE
QUALITY





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