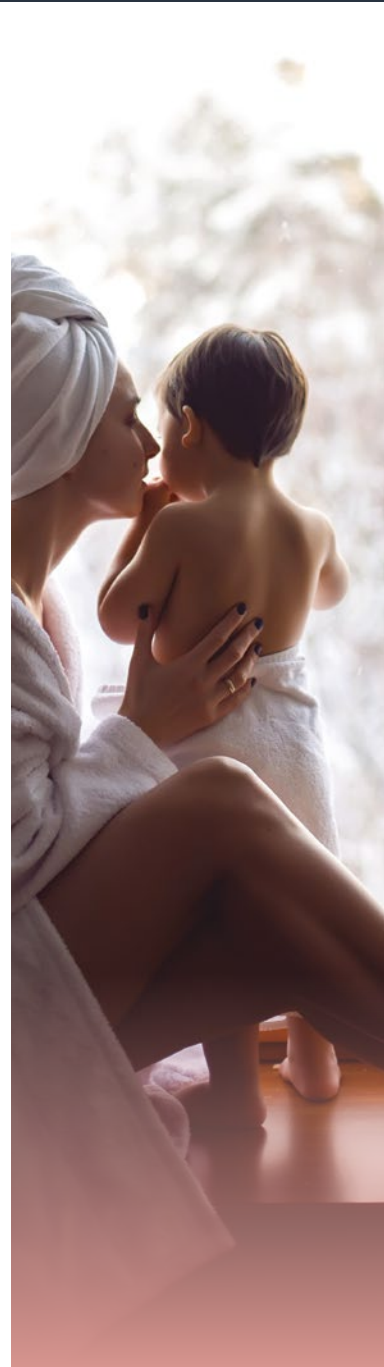


FASHION FOR GLASS

SOLUTIONS FOR WINDOWS, FAÇADES AND INTERIORS





MAKING THE WORLD A BETTER HOME



„Making the world a better home” – the main purpose of Saint-Gobain Group

We are an international organisation, with an ambition to care for the good of the planet as much as to supply solutions improving comfort of living in houses, apartments, and offices – that is wherever there is life.

We look to the future

Our goal is to call to action, which we always consider in a long-term perspective. For the common good, we implement innovations, aiming to contribute to creating a sustainable world for people and nature.

We want the world we live in to become an increasingly friendlier home for all mankind, while respecting biodiversity and climate. That is why we take one step after another in efforts to contribute to changes for the better.

We want to reach climate neutrality by 2050, because we believe that it is our duty to be an example of an effective fight with progressing changes in the environment.

Our over 350-year history allows for continuous improvement of responsible development, taking into account the challenges facing humanity – climate changes or resource protection.

We want to make the world a more beautiful and sustainable place to live.

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GLASS FOR WINDOWS

Access to daylight with no compromises





ECLAZ

TECHNOLOGY FOR COMFORT

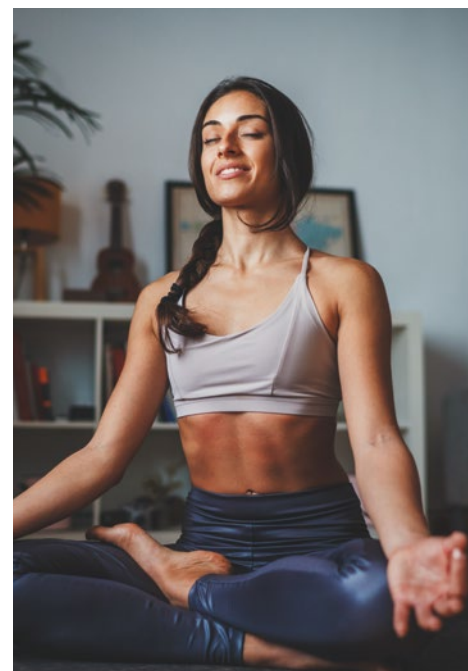
ECLAZ is the result of applying a breakthrough glass production technology developed by Saint-Gobain. Energy efficiency, solar gain, excellent access to daylight, and aesthetic appearance allow to reach the thermal insulation of a triple glazing units while bringing the light transmission and of a standard double glazing units. Thanks to its high transparency, ECLAZ makes interior bigger and brighter. It helps blur the lines between the building and its surroundings.

WHERE DOES IT WORK BEST?

- residential buildings: windows, balcony doors, verandas, and loggias
- window façades in non-residential buildings

WHY IS IT WORTH IT?

- windows with ECLAZ allow to reduce heating costs considerably, keeping the warmth of the house inside
- the ground-breaking solution in terms of light transmission, makes the windows let more daylight in
- ECLAZ guarantees better colour rendering and neutrality



DID YOU KNOW?

A positive energy balance is a difference between heat loss (Ug) and solar gain (g). Thanks to ECLAZ the low-e coating, all parameters of panoramic windows are on the plus side.

- +10% daylight
- +10% solar gain
- +20% energy efficiency
- more neutral colours
- environmentally friendly



CHECK PARAMETERS

	Ug* [W/m²K]	LT** [%]	g**	Outside reflection [%]
4/16/4/16/4 (ECLAZ on face # 2 and 5)	0,6	77	0,60	14
6/16/4/16/44.1 (ECLAZ on face # 2 and 5)	0,6	75	0,59	14
6/16/6/16/6 (ECLAZ on face # 2 and 5)	0,6	75	0,58	14

* according to EN673

** according to EN410



PLANITHERM XN

NEUTRAL LOW-E COATING

PLANITHERM XN is a neutral low-e coating, which has very good thermal insulation while providing a high level of natural light income. Additionally, by limiting heat loss in wintertime, PLANITHERM XN can help reduce heating bills.

DID YOU KNOW?

We can lose 20-25% of heat energy through windows. It is worth investing in low-e coating.

WHERE DOES IT WORK BEST?

- windows, balcony and patio doors – both in new and renovated buildings

CHECK PARAMETERS

	Ug* [W/m²K]	LT** [%]	g**	Outside reflection [%]
6/16/6/16/6 (PLANITHERM XN on face # 2 and 5)	0,6	73	0,55	14
4/16/4/16/4 (PLANITHERM XN on face # 2 and 5)	0,6	74	0,54	14

* according to EN673

** according to EN410





BIOCLEAN

EASY-TO-CLEAN GLASS

Thanks to an transparent coating embedded into its outer surface of the glass, the contact of BIOCLEAN with daylight's ultraviolet rays and the rainwater allows to eliminate dirt from the glass surface. BIOCLEAN maintains this property throughout its entire life cycle.

WHERE DOES IT WORK BEST?

- windows, roof windows, bay windows
- winter gardens, roofs, veranda doors
- glazed façades, skylights, roof glazing, courtyard coverings

WHY IS IT WORTH IT?

- a perfect solution for hard-to-reach places, such as roof windows
- BIOCLEAN in windows stands for time saving and much easier, less often window cleaning

DID YOU KNOW?

BIOCLEAN uses the UV radiation and rain, combining hydrophilic effect and photocatalytic actions. Photocatalytic action breaks down organic dirt on the glass surface and reduces adherence of inorganic (mineral) dirt. The hydrophilic effect causes rain (or water) to sheet across the glass and rinses away the broken down organic or mineral particles.



GLASS FOR FAÇADES

An optimal level of solar protection, thermal insulation, and transparency



Varso I and II in Warsaw
- Solar control glass on the façade COOL-LITE SKN 176II
Design: HRA Architekci



COOL-LITE XTREME 70/33

HIGHLY TRANSPARENT SOLAR CONTROL GLASS

COOL-LITE XTREME glass family with unique selectivity combines functions of solar protection, thermal insulation, and high transparency. Thanks to three silver layer applied by cathodic sputtering under vacuum conditions, COOL-LITE XTREME allows to effectively protect building interiors from overheating in summer due to its low value of the solar factor. Furthermore, in winter this glass constitutes a barrier for heat losses thanks to an excellent thermal insulation coefficient.

WHY IS IT WORTH IT?

- office buildings
- shopping centres
- hotels
- restaurants
- schools
- hospitals

both in façades and skylights

WHY IS IT WORTH IT?

COOL-LITE XTREME 70/33 is a glass which offers light transmission at the level of 70%, neutral aesthetic in transmission and both in internal and external reflections. More daylight means a better mood and healthy interiors. A low value of the solar factor g protects building interiors from overheating, the thermal insulation allows to prevent heat loss through the window.



DID YOU KNOW?

The better the selectivity of solar control glass, the better the value of light transmission, which means that more daylight reaches building interiors.



CHECK PARAMETERS

	U _g * [W/m ² K]	LT** [%]	g**	Outside reflection [%]	Inside reflection [%]
Double-glazing unit 6/16/6 (COOL-LITE XTREME 70/33 on face # 2)	1,0	70	0,33	11	13
Triple-glazing unit 6/16/6/16/6 (COOL-LITE XTREME 70/33 on face # 2 and PLANITHERM XN on face # 5)	0,5	63	0,32	13	15
6/16/6/16/6 (on DIAMANT, COOL-LITE XTREME 70/33 on face #2 and ECLAZ on face #5)	0,5	64	0,31	13	15
8/16/6/16/8 (COOL-LITE XTREME 70/33 on face #2 and ECLAZ ONE on face #5)	0,5	60	0,29	15	19

* according to EN673

** according to EN410

COOL-LITE SKN 183

HIGHLY TRANSPARENT SOLAR CONTROL GLASS

COOL-LITE SKN 183 is a highly selective solar control glass, offering the best access to daylight in the COOL-LITE family. Thanks to a double silver layer, it provides effective solar protection and excellent thermal insulation. It guarantees the best access to daylight with no compromise of other parameters, for the comfort of building occupants.

WHERE DOES IT WORK BEST?

- office buildings
- hotels
- schools
- shopping centres
- restaurants
- hospitals

both in façades and roof skylights

DID YOU KNOW?

It is the only product in COOL-LITE family reaching above 70% light transmission in triple-glazing unit (on DIAMANT and ECLAZ on face #5).

WHY IS IT WORTH IT?

COOL-LITE SKN 183 is extremely transparent and neutral with a low reflection glass. The façade appears discreet, and the envelope of the building seems completely immaterial, renders colours of nature in the most realistic way possible. It provides effective solar protection and excellent thermal insulation. The demand for heating or cooling is reduced to the minimum. It guarantees bright interiors and access to daylight.

CHECK PARAMETERS

	Ug* [W/m ² K]	LT** [%]	g**	Outside reflection [%]	Inside reflection [%]
Double-glazing unit 6/16/6 (COOL-LITE SKN 183 on face # 2)	1,0	74	0,40	12	13
Triple-glazing unit 8/16/6/16/8 (COOL-LITE SKN 183 on face # 2 and ECLAZ ONE on face # 5)	0,5	63	0,35	17	21
6/16/6/16/6 (on DIAMANT, COOL-LITE SKN 083 on face #2 and ECLAZ on face # 5)	0,5	70	0,38	15	16

* according to EN673

** according to EN410



COOL-LITE SKN 176

COMBINATION OF A HIGH LEVEL OF LIGHT TRANSMISSION WITH HIGH SOLAR PROTECTION

COOL-LITE SKN 176 is a highly selective solar control glass, which allows for optimal use of natural daylight, while guaranteeing effective solar protection and excellent thermal insulation. COOL-LITE SKN 176 is a perfect solution for projects which are after a combination of solar protection, high light transmission, and thermal insulation.

WHERE DOES IT WORK BEST?

- façades
- skylights
- large windows

WHY IS IT WORTH IT?

COOL-LITE SKN 176 contributes to the reduction of overheating of building interiors in summer, while protecting them against heat loss in winter and guaranteeing a high level of access to daylight.

CHECK PARAMETERS

	U _g * [W/m ² K]	LT** [%]	g**	Outside reflection [%]	Inside reflection [%]
Double-glazing unit 6/16/44.2 (COOL-LITE SKN 176 II on face # 2)	1,0	69	0,37	13	15
Triple-glazing unit 6/16/6/16/44.2 (COOL-LITE SKN 176 II on face # 2 and PLANITHERM XN on face # 5)	0,5	62	0,34	15	17

* according to EN673
 ** according to EN410

COOL-LITE KN 166II

STYLISH DESIGN AND EXCELLENT PROPERTIES

COOL-LITE KN 166 II is a selective solar control glass, ensuring at the same time excellent thermal insulation and optimal level of daylight. From the outside, the glass is elegant and dynamic – having a greyish – silverfish aspect and it match perfectly with the surrounding. Colour in transmission is neutral, which allows to obtain very comfortable space in buildings.

WHERE DOES IT WORK BEST?

- commercial buildings (office buildings, shops, façades, shops)
- residential buildings (houses, apartments, covered terraces)

WHY IS IT WORTH IT?

Strengths of COOL-LITE KN 166 II are advanced thermal insulation, solar protection, and high level of daylight. The heat losses are reduced drastically in winter and in hot summer it limits overheating, taking care of thermal comfort whatever the season.

CHECK PARAMETERS

	Ug* [W/m²K]	LT** [%]	g**	Outside reflection [%]	Inside reflection [%]
6/16/6 (COOL-LITE KN 166 II on face # 2)	1,0	60	0,39	22	25
6/16/6/16/6 (COOL-LITE KN 166 II on face # 2 and PLANITHERM XN on face # 5)	0,5	55	0,35	23	26

* according to EN673

** according to EN410

COOL-LITE ST BRIGHT SILVER

HIGHLY TRANSPARENT GLASS

A transparent and aesthetic solar control glass, perfect for double-skin façades. COOL-LITE ST BRIGHT SILVER, a product from the family of solar control coatings, has a convincing, high transparency as well as exceeding aesthetic and neutral reflection, whereby it ensures comfort and wellbeing in building.

WHERE DOES IT WORK BEST?

- external layer of double-skin façades
- windows and façades
- glass louvers
- spandrels

CHECK PARAMETERS

	U _g * [W/m ² K]	LT** [%]	g**	Outside reflection [%]	Inside reflection [%]
6/16/6 (COOL-LITE ST BRIGHT on face # 2 and PLATNITHERM XN on face # 3)	1,1	61	0,50	32	30
6/16/6/16/6 (COOL-LITE ST BRIGHT on face # 2 and PLATNITHERM XN on face # 5)	0,9	56	0,46	35	33

* according to EN673

** according to EN410

WHY IS IT WORTH IT?

COOL-LITE ST BRIGHT SILVER solar control glass is really versatile: it can be tempered, bent and heat-strengthened, or laminated to form multi-layered safety glass. It can also be screen-printed or enamelled.



SAGE GLASS

INNOVATIVE SOLUTIONS FOR SPECTACULAR EFFECTS

SAGE GLASS is electrochromic glass. It adapts automatically to external light conditions. The feature of the solution is ability to change the colour of the glass. This reaction is controlled through a very low voltage power supply.

WHERE DOES IT WORK BEST?

- façades
- roofs
- skylights

WHY IS IT WORTH IT?

- better comfort in building interiors
- energy savings of up to 40%
- solar energy management depending on current needs
- light transmission reduction to $L_t=2\%$
- no need to use conventional solar control system
- constant access to natural light



GLASS FOR INTERIORS

Give your interiors a unique character





MIRALITE PURE

ECOLOGICAL MIRROR WITH AN EXCELLENT QUALITY OF REFLECTION

The MIRALITE PURE mirror combines top quality with responsible environmental measures, zero lead content, a minimum use of solvents, and an underlay based on water varnish. Applied on PLANICLEAR or extra clear DIAMANT glass, it offers excellent light reflection parameters. Reflection is neutral, which is very appreciated in interior design. Thanks to a dark, opaque anthracite underlayer, the mirror is a perfect choice for LED backlight.

WHERE DOES IT WORK BEST?

MIRALITE PURE works very well as an element of furniture or wardrobe doors. MIRALITE PURE used as wall cladding in residential interiors – bathrooms, living rooms, or halls – definitely provides building interiors with a glamour effect. In public utility buildings – hotels, offices, shops, restaurants, gyms – mirrors are a functional addition to their interior design. When we highlight the image reflected in the mirror with additional light, we can count on an interesting illumination effect.

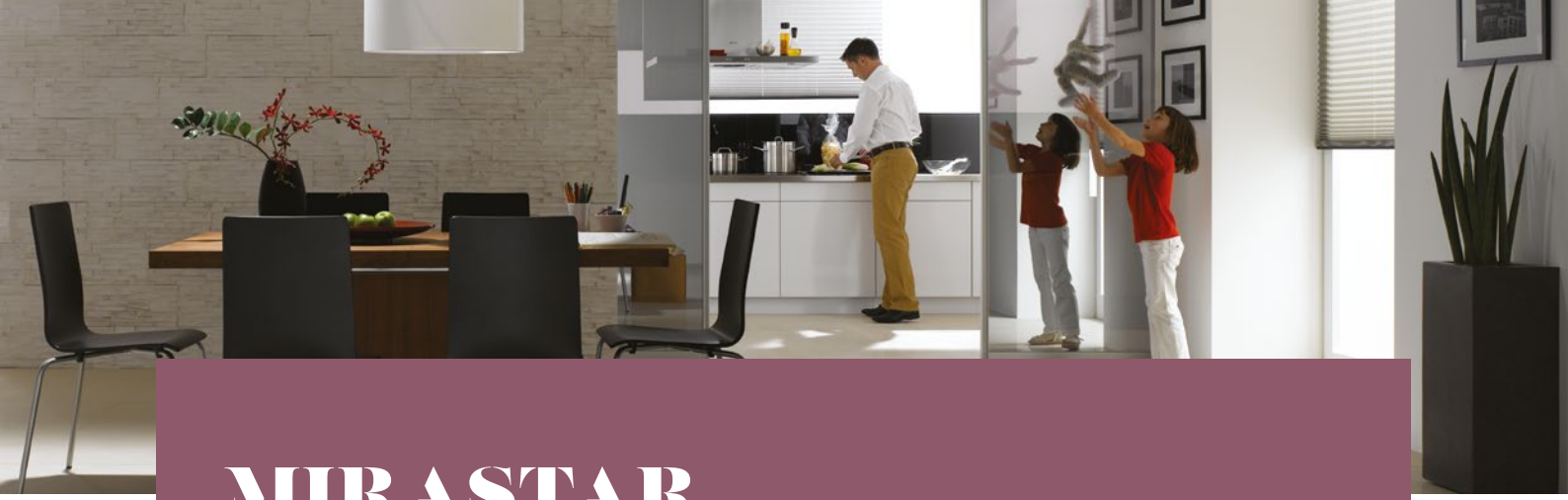
WHY IS IT WORTH IT?

- pure, vivid colours, independent from lighting
- a bright, neutral hue and excellent reflection clarity
- compatible with cool colours
- exceptional quality and care for the environment
- an underlayer based on water varnish, free from lead and organic solvents

DID YOU KNOW?

The MIRALITE PURE mirror is manufactured in Saint-Gobain Glassworks in Dąbrowa Górnicza.





MIRASTAR

GLASS WITH A MIRROR EFFECT

MIRASTAR, glass with a mirror effect, offers an extraordinary effect of a mirror. Depending on lighting conditions, the glass can behave like a mirror, or it can be completely transparent and let the light pass through. It offers extraordinary possibilities for interior design.

WHERE DOES IT WORK BEST?

- shower screens and enclosures – thanks to a one-way mirror effect, the resistance of the coating, and its temperability, MIRASTAR is an excellent and innovative product
- doors, partition walls, space separating elements – playing with light, MIRASTAR changes from opaque to transparent.
- elements of furniture – a high level of light reflection allows to use it as a conventional mirror, with an additional option of a unique play of light
- decorative mirrors – thanks to high resistance of this glass, it can be successfully installed in rooms where the level of air humidity is high
- wall panels – installed in large sizes, easy to clean and maintain. Special attention should be paid to wall panels installed close to hot surfaces, such as cookers or gas hobs – these panels must be tempered first.
- façades – high resistance of MIRASTAR makes it a solution that can be applied in building façades, wherever a high level of light reflection is desirable. This glass is a perfect solution for spandrels in building façades

WHY IS IT WORTH IT?

- a mirror effect – thanks to a high level of light reflection MIRASTAR behaves exactly like a mirror
- an extraordinary appearance – depending on lighting conditions MIRASTAR behaves like a mirror or transparent glass. This offers a possibility of creating one-way observation glass panels
- processing flexibility – thanks to a whole array of processing options, such as tempering, laminating, and toughening, this glass can be used wherever it is necessary to maintain safety and provide appropriate protection

DID YOU KNOW?

MIRASTAR gives an effect of a conventional one-way mirror.



TIMELESS

INNOVATIVE GLASS FOR BATHROOMS

TIMELESS is an innovative anti-corrosion glass for bathrooms. This glass has been developed especially for shower enclosures and bath screens and it has properties that can make it fulfil the promise of a perfectly intact glass surface, maintaining its transparency for many years. Its unique protective coating made of metal oxides protects it against tarnishing, which is a frequent consequence of accumulation of limescale and dirt, as well as against glass corrosion. Thanks to regular cleaning, TIMELESS will remain beautifully transparent forever.

WHERE DOES IT WORK BEST?

- shower enclosures
- walk-in showers
- bath screens

WHY IS IT WORTH IT?

- a high level of transparency and a neutral appearance – TIMELESS consists of PLANICLEAR or extra clear DIAMANT, with an invisible coating applied on it. Thanks to this, TIMELESS is transparent and does not influence the perception of colours, irrespective of its thickness
- the anti-corrosion effect for durable transparency – this glass is permanently protected against corrosion, thanks to which it does not change its colour over time and maintains its attractive look
- easier to clean – TIMELESS does not require any special care. All you need is a regular cleaning agent. All effects of use are easier to remove as compared to standard uncoated glass
- the TIMELESS coating is created by applying a layer of metal oxides by magnetron sputtering. The coating produced this way is very durable, it does not lose its properties over time, and it can be subjected to all types of industrial processing



DID YOU KNOW?

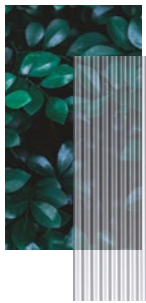
In specific cases TIMELESS can have the coating on both sides.



DECORATIVE PATTERNED GLASS

Decorative patterned glass stands for an elegant design, functionality, safety, privacy, and access to daylight. By making use of the entire palette of visual styles and fields of art, such as classical, modern, modernist, industrial design, the palette of patterns of decorative glass is classified according to the pattern, functionality, and ergonomics present in interior designs.

TRENDS WHICH INSPIRE



MODERN

A group of glasses in modern, simple, and geometrical patterns reflecting the way of thinking and aesthetics.



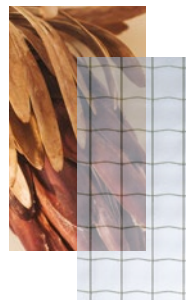
CLASSIC

A family of glasses with elegant, subdued, and classic patterns will be perfect for unique tailor-made interiors.



MASTER

An exclusive line of glasses with a rich style and sophisticated textures.



INDUSTRIAL

Looks and character – a combination of glass with a delicate metal mesh offers a timeless design and outstanding arrangement ideas.



VINTAGE

Glasses with good design do not age at all. Interesting, functional patterns, which take on more value over time.

WHY IS IT WORTH IT?

- comfort of privacy – different patterns of ornaments and different degree of privacy. The degree of privacy depends on the pattern of the ornament: the denser the pattern, the higher the degree of privacy
- access to daylight – decorative glass lets in the light, dispersing it subtly. Daylight has a positive effect on our health, wellbeing, and effectiveness. Daylight improves mood, minimises the risk of upper respiratory tract infections, and reduces the risk of decrease of vital energy by half
- functionality – decorative glass can be used to divide and optically enlarge the space. Selected patterns of decorative glass can be tempered and/or laminated. Decorative glass can be also edge deleted, combined in insulated glazing units (with the pattern facing the inside of the unit)
- aesthetics – luxury and simplicity in one. The multitude of patterns guarantees unique arrangements, which blend harmoniously with every style of interior design, classic as well as modern

WHERE DOES IT WORK BEST?

- permanent and sliding partition walls
- furniture elements
- elements of shelves and racks, e.g.: in shops
- shower enclosures and bath screens, walk-in showers
- all-glass doors and door elements
- glazing units
- balustrades and elements of outer façades

DID YOU KNOW?

The oldest patterns in our offer are ARENA C, VISEO, and MORFESCO glasses, dating as far back as the 1960s. These patterns have been in production to date.





PLANILAQUE COLOR-IT

LACQUERED GLASS WITH EXCEPTIONAL DURABILITY

PLANILAQUE COLOR-IT is a lacquered glass, which combines the vividness of colour with a deep shade and elegance of glass. It is a perfect solution for interiors, as an element of furniture, doors, or as wall cladding panels.

WHERE DOES IT WORK BEST?

PLANILAQUE COLOR-IT lacquered glass is a combination of the depth of the lacquer with the glass gloss effect. It is applied in interior design where colour highlights the quality of the room. PLANILAQUE COLOR-IT is recommended as wall cladding panels in commercial premises and public utility buildings, such as hotels, shops, museums, cinemas, theatres, as well as in residential houses. It is also used as an element of furniture, wardrobes.

WHY IS IT WORTH IT?

- wall cladding – glass has the best resistance to moisture available on the market; this glass can be used as a wall cladding panel in shower enclosures
- guarantee of colour intensity and maintaining identical shades in each production batch
- colour repeatability, appropriate thickness and hardness of the lacquer



DID YOU KNOW?

PLANILAQUE COLOR-IT will work perfectly as a dry erase board.





DIAMANT

EXTRA CLEAR GLASS

DIAMANT is an extra clear float glass for special applications. Due to its exceptionally low iron oxide content, the glass has the highest level of light transmission and excellent colour rendition. Thanks to a neutral colour of the edge, this glass differs from the standard float glass, which makes it applicable in many various fields.

WHERE DOES IT WORK BEST?

DIAMANT is a base glass which guarantees natural rendition of whites and pastels on glass, enamelled, lacquered, and screen-printed surfaces. This flexibility of processing makes DIAMANT offer nearly endless possibilities in interior design.

WHY IS IT WORTH IT?

- high level of light transmission
- neutral colour of the edge
- excellent colour rendition

DID YOU KNOW?

DIAMANT is installed in showcases, cabinets, and other glazed elements in Kamil Stoch's Trophy Gallery.





VISION-LITE

ANTIREFLECTIVE GLASS

VISION-LITE is an antireflective glass, which limits the phenomenon of light reflection. Thanks to the antireflective coating applied on the surface of base glass, we obtain a glass with no reflections and with excellent transparency.

WHERE DOES IT WORK BEST?

- shop windows
- showcases, glazed elements in museums
- protective screens for paintings, photographs, posters
- partition walls
- airport control towers
- glazed elements in stadiums, VIP boxes
- glazing in interpreter's booths, TV and recording studios
- signal boards and billboards (railway stations / airports)

WHY IS IT WORTH IT?

- optimal visibility, very low residual reflection, excellent transparency
- faithful rendition of colours and contrasts
- enhanced thermal insulation properties, the glass is equipped with a low-e coating

DID YOU KNOW?

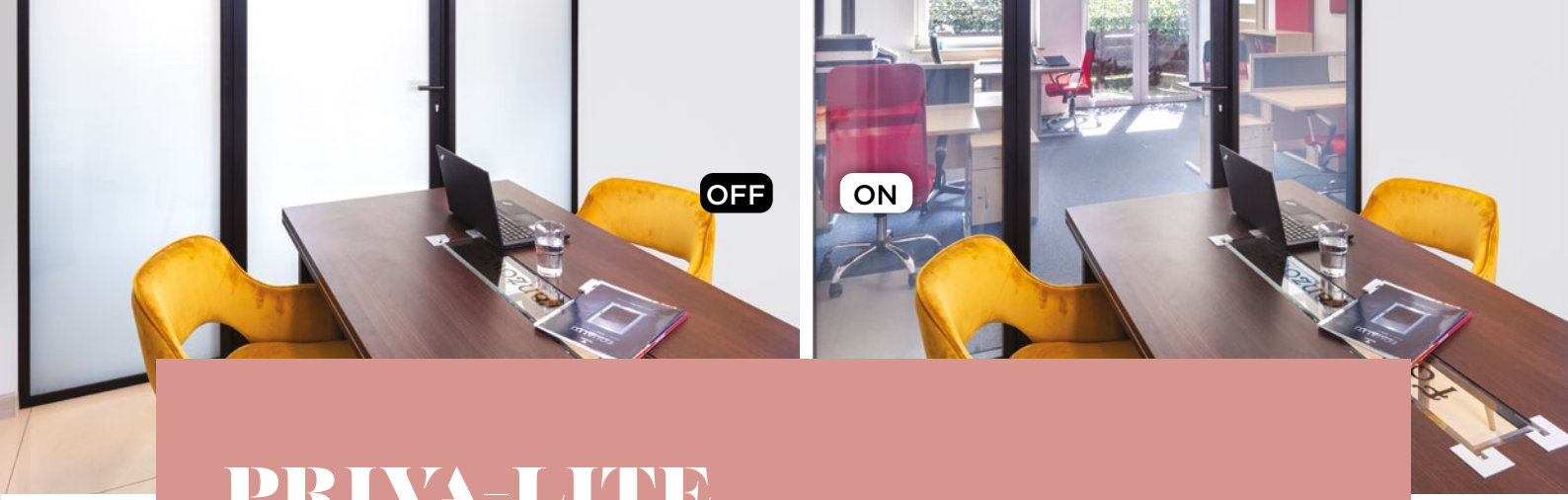
VISION-LITE is characterised by very low residual reflection, which is ten times lower than in ordinary glass.



SPECIAL GLASS

Glass befitting the 21st century for special tasks





PRIVA-LITE

AN INNOVATIVE SOLUTION FOR MODERN ARCHITECTURE

PRIVA-LITE is an active glass - it changes from an translucent to transparent state under the influence of electric current, while maintaining nearly the same level of light transmission. The glass can be controlled by a remote control, a wall switch, or human voice via a special app. How does it work? Between two layers of glass, there is a foil with liquid crystals, which is laminated between coatings of the EVA or PVB foil. The liquid crystals contained in the foil are arranged in order by electric current, which makes the glass transparent. When the power is off, the glass goes back to its initial state of translucency.

TYPES OF GLASS AVAILABLE

- PRIVA-LITE CLASSIC - switchable glass; in the translucent state it offers privacy on request (maximum sizes 1000x3750mm or 1400x3500mm)
- PRIVA-LITE XL - switchable glass more opaque when switched off, recommended for spaces where a higher degree of privacy is required, e.g. hospitals, bathrooms, etc. (maximum dimension 1800x3500mm)
- PRIVA-LITE SWITCH P - glass dedicated to interior design of public spaces, i.e.: offices, hotels, or hospitals, appropriate for larger projects, which changes its translucency instantly, offering a sense of complete privacy and maximum comfort (maximum size 1500x3500mm).
- PRIVA-LITE COLOR - switchable glass, equipped with one of 12 coloured foils Vanceva (maximum size 1500x3000mm)



WHY IS IT WORTH IT?

- privacy, discretion, and comfort
- instantaneous and quiet transition from the opaque to translucent state
- high level of light transmission in both states
- protection against UV radiation
- good acoustic insulation
- low energy consumption
- simple and safe assembly



WHERE DOES IT WORK BEST?

- offices and conference rooms – as a partition wall or a sliding door, glass partitions
- clinics and hospitals – used in glass partitions and doors it protects privacy of patients and medical staff. Its easy-to-clean surface does not generate germs, like traditional blinds or curtains do
- hotels, restaurants – space management in a hotel or a restaurant allows to rearrange interiors quickly
- museums, shops, and public spaces – this glass is a perfect solution for showcases or bookshelves
- residential homes – sliding doors and partitions

DID YOU KNOW?

PRIVA-LITE glass panels can be assembled with ECOPHON ceiling systems, which has a positive effect on the acoustic environment while offering an opportunity to create modern interiors.



EGLAS

GLASS TRANSPARENCY WITH THERMAL COMFORT

EGLAS heating glass stands for electronically controlled insulated or laminated glazing units which emit heat. Their operation principle is based on two factors: electric current, and a low-E coating of metal oxides, which covers one of the glass surfaces. Thus, EGLAS works in a similar way as the sun does – based on the radiant heating system. EGLAS glazing can fulfil many functions. It guarantees thermal comfort, allows to heat houses ecologically, as well as it is an effective solution for fogged or frozen windows and snow accumulating on a glass roof. EGLAS should be connected to the 230 VAC power supply and a desired temperature level should be set. The glass panes are available in a laminated version, as a DGU and a TGU.

FUNKCJE EGLAS

ANTICONDENSATION

Thanks to EGLAS, fogged windows and condensed water belong to the past. Infrared radiation emitted on the coating made of metal oxides increases the temperature of the pane when connected to electric current. This prevents condensation on the surface of the glass pane, which guarantees aesthetic transparency of glass irrespective of weather conditions. Thanks to the fact that the glass pane is heated, the windows don't get fogged up. It is also a remedy for mould in the house.

SNOW MELTING

EGLAS has an integrated sensor which launches the melting function whenever it identifies snow, rain, or when the temperature falls below +5°C. Thanks to this, snow does not block the view of the outside world, whatever the climate. Furthermore, the snow melting function eliminates the need to remove snow manually from roofs and to use harmful chemical substances.

THERMAL COMFORT AND HEATING

The heat emitted from the entire surface of the glass pane first heats up individual partitions and elements of furnishing, which then give the heat back to the interiors. EGLAS also eliminates the unpleasant phenomenon of the cold wall effect, which reduces life comfort of building occupants considerably. EGLAS eliminates the unpleasant feeling of cold, while guaranteeing a high quality of air inside all year round.

WHY IS IT WORTH IT?

- guarantee of transparency of the glass pane
- comfortable warmth all year round
- an invisible heating system
- no cold wall effect
- natural sunlight
- prevention of the accumulation of steam on windowpanes and no dampness in window frames
- constant level of heat
- prevention of the growth of mould
- lower energy consumption than ventilation systems
- no need to remove snow from roofs manually
- less load on the building structure

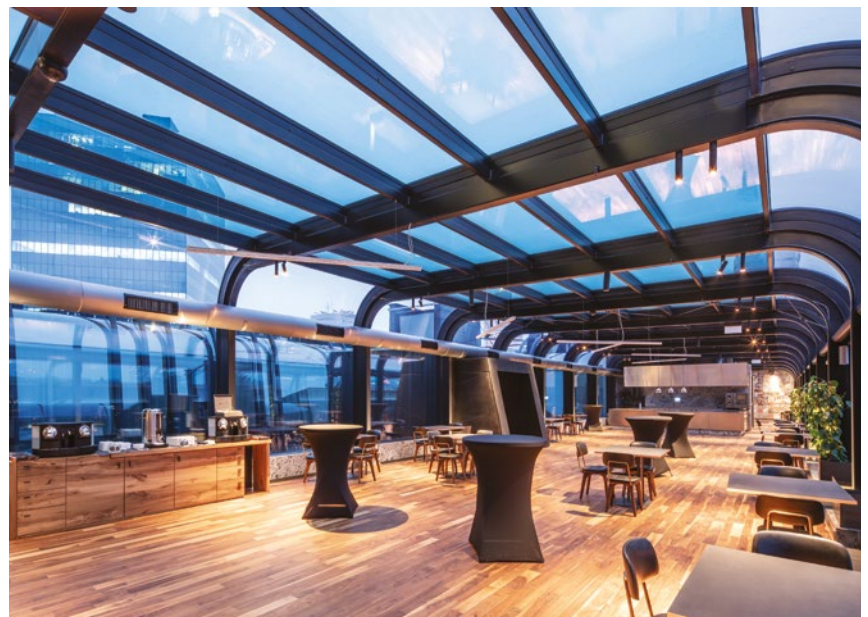
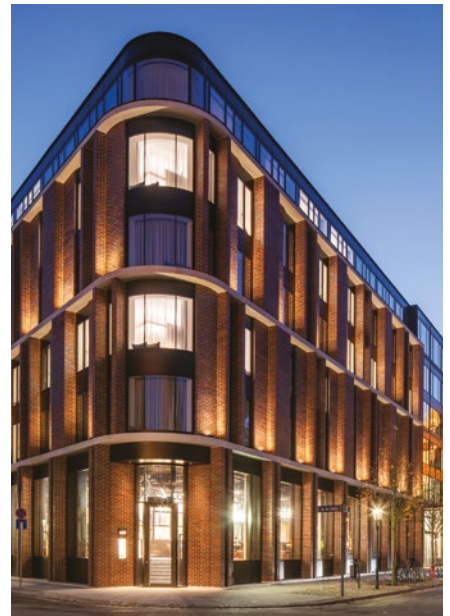


WHERE DOES IT WORK BEST?

- winter gardens
- glass roofs
- windows
- greenhouses
- verandas
- skylights
- façades
- external and internal glass floors

DID YOU KNOW?

EGLAS active glass can be integrated with a photovoltaic installation operating in a given building. It becomes a solution which is beneficial for the home budget as well as for the planet.





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