



windows | roller shutters

# THE NUMBERS SPEAK FOR THEMSELVES:

- 22** > OF YEARS EXPERIENCE
- 70%** > OF CLIENTS RECOMMEND US
- 1 250** > EMPLOYEES
- 2 400** > SALES OFFICES
- 7 000** > WINDOW UNITS PRODUCED DAILY
- 53 124 M<sup>2</sup>** > OF PRODUCTION HALLS
- 1 250 000** > SATISFIED CLIENTS
- 3 740 000** > WINDOWS SOLD

## OKNOPLAST Group

We are a rapidly-developing group with over 20 years of experience and we hold a stable position as one of the leaders in **PVC Fenestration** in Europe.

## What is the key to our success?

We have always considered maximum customer satisfaction to be our top priority. We are proud that we consistently achieve this. In our business, one of the most challenging tasks is to ensure the long-term satisfaction of our customers. For this reason, we are pleased with every positive review of our windows and doors, but we also feel motivated to continuously improve. Top-quality products and professional sales, as well as partnership, reliability and honesty in relations with our customers and business partners – these are the foundations to our success and have enabled us to build trust among thousands of customers. We hope that, thanks to our passion, we will be in their homes for many, many years!

President Mikolaj Placek



# WHY OKNOPLAST?

We are committed to quality. **We put all our products through rigorous testing, both inside the company and in external institutions.**

Therefore, as one of a few window producers in Europe, we maintain our own laboratory for the examination of PVC joinery. This allows for precise control of product quality and the performance of studies on new products.

**We are pioneers in anti-burglar solutions. As the first producer of PVC windows in Poland, we introduced a certified anti-burglary window with an RC2 class certificate, in compliance with the strict European standard.** The Protect Plus window, along with many reliable protective measures, such as laminated glass and fittings of the RC2 class, also includes professional anti-burglar installation services, which is confirmed by a certificate.

**The following features distinguish us and ensure our position as a market leader.**

- expert in the development of comprehensive solutions
- recommended by **70%** of clients
- **22 years of experience** in the production of window joinery
- professional and reliable **advice, installation and service**
- unique, unrepeatable and patented **design of windows and doors**
- one of the **largest window producers in Europe**
- **7-year guarantee** for windows and up to a 10-year guarantee for selected components
- **care** for aesthetics: precisely adjusted individual elements of the products
- **creating** new market trends by applying innovative solutions
- **in house production** of glazing units with low-emission coatings improving energy balance, also using tempered safety glass

## Certificates:

### Q-Zert Certificate

issued by the demanding German institute Ift Rosenhein, attests the conformity of goods and factory production control with the requirements of European standards.

### CEKAL Certificate.

The glazing units manufactured by OKNOPLAST have been certified by the prestigious CEKAL institute in Paris. This means that glazing unit manufacturing in OKNOPLAST ensures a level of quality which satisfies the strictest requirements. We are the only window manufacturer in Poland to be in possession of this prestigious certificate.

### ISO 9001: 2008 Certificate

issued by BSI Management Systems, confirms that OKNOPLAST has implemented and applies a Quality Management System in all aspects of our business: designing, manufacturing and selling PVC and aluminium window frames.

### CasaClima Certificate

is granted by the prestigious Italian institute – Agenzia CasaClima. Thanks to this certificate, customers can be sure that OKNOPLAST's products, production and sales are of the highest quality. The certificate confirms not only high window energy parameters, but also professional assembly.

# OKNOPLAST's four steps

1

## audits

Professional audits  
by qualified advisors.

This is the first step in measuring the windows and precisely manufacturing them for the individual client, taking into account the uniqueness of the building and the layout of individual spaces..

2

## advice and sales

Sales consultants employed in 2400 carefully selected OKNOPLAST sales offices in Europe provide professional services and consultancy at every stage of the project.

They can also be of assistance in selecting the appropriate products and components satisfying the individual needs of the clients.

3

## installation

Specialized installation teams which undergo annual training to increase their qualifications and ensure the professional installation of OKNOPLAST products.

The installation process complies with our rigorous standards exceeding those in the industry employing top quality materials and tools.

4

## guarantee service

In order to provide our clients with safety and comfort, we offer long guarantee periods on OKNOPLAST products.

The guarantee for windows is 7 years and 10 years for selected components. The many years of experience in manufacturing and training sessions improving the qualifications of all our employees has resulted in our products being of consistently top quality.

# WINDOWS

The prestige of our windows comes from their quality of manufacturing and innovative, functional solutions, their security and energy-saving designs, the finesse in their profiles and precision of installation.

A broad range of colours and window accessories make OKNOPLAST windows stand out with their sophisticated aesthetics.



## Aesthetics

- windows in ColorFull version with wood-like decorative foil on window frame internal surfaces visible after window opening allowing to maintain uniform colour and structure on the entire window surface
- rich offer of profiles, including those available exclusively from OKNOPLAST
- wide range of colours and shapes including circles, arches, triangles, trapezoids
- advanced corner cleaning technology that allows for very precise and aesthetic welds
- invisible hinges available optionally in all systems
- decorative window hardware (handles, hinge covers and strikers) of dESIGN+ line, designed in cooperation with reputable KISKA studio making designs for Audi and KTM



## Sustainability and quality

- PVC profiles of the manufactured in A class reinforced with galvanised steel of a thickness up to 1.75 mm and with a closed shape (in the frame). PVC is a recyclable material.
- EPDM gaskets with a high resistance to atmospheric conditions
- up to a 10-year guarantee on selected components
- applying a glazing spacer made from one piece instead of four pieces greatly reduces the escape of Argon over the lifetime of the glazing unit.



## Safety

- Maco dESIGN+ hardware provided with mushroom striker plates
- handle with key lock protecting against opening from the outside
- anti-theft pane consisting of two 4mm-thick glass panes put together using several layers of transparent PVB foil; due to chamber structure it combines high thermal insulation parameters and increased security
- glazing packages made of tempered glass with improved resistance to breaking

## Did you know that...

OKNOPLAST successfully sells its products abroad, primarily in the European Union: Austria, the Czech Republic, France, Germany, Hungary, Italy and Slovakia.



# PIXEL

#### • 6-chambered profile

PIXEL has 6-chambered frame profiles and A-class sashes (casing - 70mm wide, frame 74 mm wide). In spite of the slender window profiles, the technical and operational parameters of the PIXEL system are highly advanced.

#### • Glass sealed unit

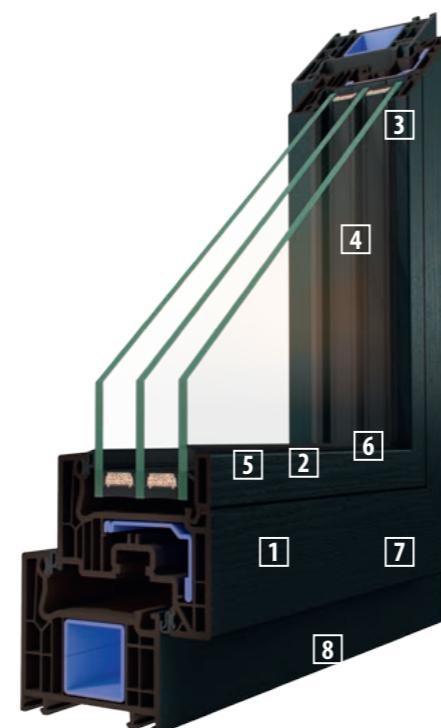
An optional triple glazing unit with a heat transfer coefficient of  $U_g=0,5 \text{ W/m}^2\text{K}$ ;  $U_w=0,8-1,2 \text{ W/m}^2\text{K}$ .

#### • Profile reinforcements

Profile reinforcements The window has been equipped with an original bent-steel reinforcement which ensures a rigid and stable structure, as well as allowing the design of oversize windows

#### • Winkhaus ProLight fittings

ensure the easy operation of sashes and guarantee increased protection against uncontrolled closure.



#### Advantages of PIXEL windows

- 1 The original, more slender and more elegant profile highlights the nature of the interior
- 2 Unique shape, external angles 4°, 90 degree glazing bead
- 3 As opposed to traditional profiles, larger glass surfaces ensure lower consumption of energy required to heat the room, thanks to increased amounts of heat entering the room through the pane
- 4 Glazing based on the latest production technology ensure increased amounts of natural light in the room, which has a positive impact on your mood.
- 5 The original reinforcement system allows the design of fashionable and large glazing, and also guarantees durability and defect-free use of the window
- 6 A unique glass gasket finishing at an angle of 45°, a glazing strip in harmony with the sash curvature and special window end caps
- 7 The capability of using ColorFull technology that ensures a solid colour and structure on the entire window surface
- 8 The ability to design terrace doors based on PSK, PSK-Z and PSK Atrium systems

#### Did you know that...

OKNOPLAST, as one of the few manufacturers in Europe, has its own fenestration joinery research laboratory with a test chamber, which currently is the most advanced of its kind.

**Did you know  
that...**

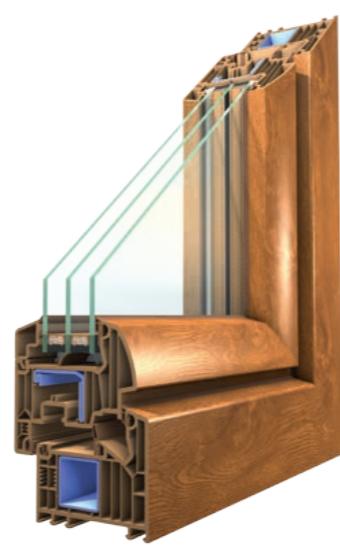
Aerogel until now has been used in aircraft industry, automotive industry, shipbuilding and spacesuit production. It is characterized by lowest heat transfer coefficient among all solid materials. What's more, it is very durable, light and three times warmer than Styrodur®, so far warmest material in the market

# Windows



## Prolux

- Profile with 6 chambers
- Construction depth 70mm
- Double and triple glazing
- Class A,  $U_w=1,2 - 0,9 \text{ W/m}^2\text{k}$
- Up to 22% more light



## Winergetic Premium

- Profile with 7 chambers
- Construction depth 82mm
- Triple glazing
- Class A+,  $U_w=0,8-0,7 \text{ W/m}^2\text{k}$
- Refined aesthetics and functionality



## Winergetic Alu

- Profile with 7 chambers
- Construction depth 82mm
- Triple glazing
- Class A+,  $U_w=0,8 \text{ W/m}^2\text{k}$
- Exterior aluminium covers



## Winergetic Premium Passive

- Profile with 7 chambers
- Construction depth 82mm
- Quadruple glazing
- Class A++,  $U_w=0,59 \text{ W/m}^2\text{k}$
- Aerogel Technology

**Did you know  
that...**

OKNOPLASTS's production capacity is 7000 window units per day. This is enough to provide approximately 350 houses with windows every day.

## Sliding doors



### HST terrace doors

HST doors constitute modern constructional solutions, which allow obtaining very large glazed areas. Door sash width may reach up to 3.0 m, and passage – even 2.9 m. This solution makes it possible to make glazing with maximum area up to 13.8 m<sup>2</sup>. Employed lift-and slide technology ensures stability and smooth operation of the system. Sashes are installed on two separate tracks - as a result of this one hides behind the other while opening. Optionally, hardware is provided with micro ventilation and there is a possibility to use antitheft hardware, RC2 Class.

- Profile with 5 chambers
- Construction depth 70mm
- Double glazing
- Class A, Uw=1,3 m<sup>2</sup>k

### Terrace doors: PSK and PSK-Z

PSK doors are an ideal solution for optimal utilization of space within terrace and garden exits. Tilt-and slide system and special hardware allow sash tilting and sliding up to the width of 1.6 m using little force. The structure functionality allows saving space, and owing to large windowpane surface home interior is filled with light and gains unique character available in all window systems from OKNOPLAST.

- Profile with 5 chambers
- Construction depth 70mm
- Double glazing
- Class A, Uw=1,2-0,59 W/m<sup>2</sup>k

### Terrace doors PSK Atrium

PSK Atrium. A new solution for terrace or garden patios. The hoisting and sliding system allows easy movement of the 1.6 m wide sash to create a passage of light over 1.5 m. Thanks to special fittings, little strength is required to move the large sashes. The fitting is equipped with a special fastening which helps to lock in position – to do so, a handle must be turned. Interestingly, this solution offers microventilation around the leaf, and the sliding door remains locked and bolted if strength is used to enter through the door.

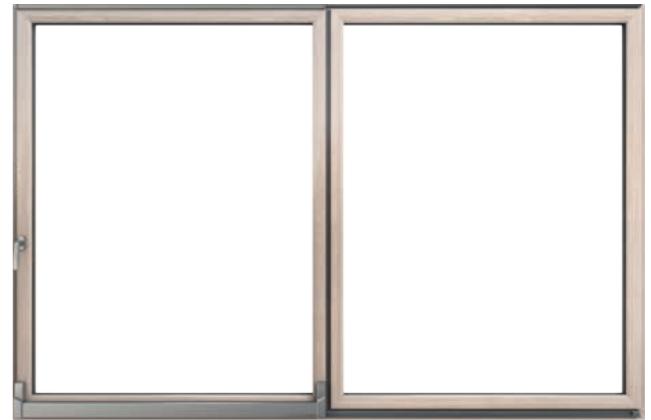
- Profile with 5 chambers
- Construction depth 70mm
- Double glazing
- Class A, Uw=1,2-0,59 W/m<sup>2</sup>k

### ECOSOL

Ecosol is a window and door system which uses light sliding structures. In this way, it is possible to use large glazing, which guarantees perfect illumination and a sunny interior. The system allows structures with a maximum surface of 8.4 m<sup>2</sup> and a passage up to 163cm to be created. Ecosol is available in two variants: with single or double sliding doors.

- Profile with 5 chambers
- Construction depth 70mm
- Double glazing
- Class A, Uw=1,4 W/m<sup>2</sup>k

# Non standard solutions



## Folding doors

When fully open, an accordion door uncovers the entire doorway and does not leave any obstacles in the form of posts or fixed sashes. It is composed of two parts: side-hung sash and side-hung and tilting sash, as well as two or more accordion sashes.  
• The accordion door can open on one or both sides  
• Maximum dimensions of the accordion door: 4.5 m wide x 2.5 m high  
• Possibility of using 3-6 moving sashes

## Maxi balcony door

Maxi balcony door with a cross mullion available up to 3 m high single sash (maximum width of 900 mm) and double sash model (maximum width of 1700 mm) with full reinforcement in the false mullion.  
• 5 hinges per sash ensure safe operation  
• Available in the Prolux, Pixel and Winergic Premium systems  
• Possibility of using a lowered Winstep threshold

## Pivot window

offer large glazing even in cramped rooms where it is impossible to open a traditional window. Thanks to the fittings, it is possible to install the windows according to one's preferences (at an angle of up to 45 degrees). In this way, it is not necessary to relocate the top or sill elements every time the window is opened. The special design also allows the window to be rotated by 180 degrees, which makes window cleaning easy as the external part of the window is in the room after rotation. Pivot windows may take non-standard shapes.

## Sliding window

The perfect solution for every kitchen. The window lets in fresh air without the need to open the sashes.

# Equipment

## Fittings

Advanced fittings with unique solutions guarantee the safety and comfort of use of the windows for many years.

### Maco dESIGN+ hardware

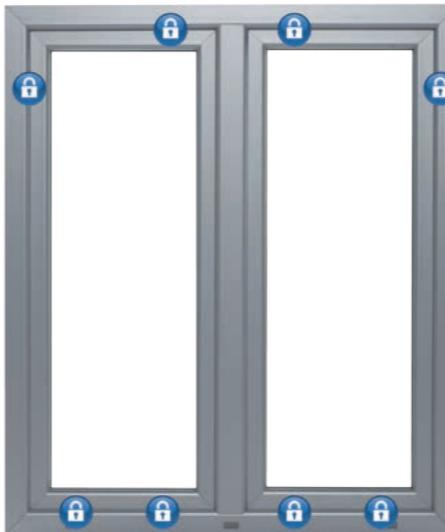
Unique oval fitting, evenly covered with the Silber-look coating. As a standard, the window is fitted with intelligent security cams, SafetyPlus striker plate, window tilt restrictor, mishandling device, microventillation and cutting edge Oknoplast handle. The advanced design of the window ensures comfort of use and complete peace of mind. Twin-Fit fitting option used for windows with a mobile pole, enables simultaneous opening of both casements with one handle.

### WINKHAUS ProLight

Passive lite of the window with floating mullion, fitted with an espagnolette with concealed lever, lends the open window an exquisitely elegant appearance; the lever facilitates the handling of the sash and improves protection against uncontrolled closing. Additional multi-step tilt regulation by handle. Unique, patented „SAFE LOCATION“ solution - a system of specially designed fitting elements that ensure the correct sash position in the window. The unique, octagonal mushroom cam works with frame strikers, providing an initial stage of protection, and its ergonomic shape, perfectly aligned with the frame strikers, enables comfortable handling of the sashes.

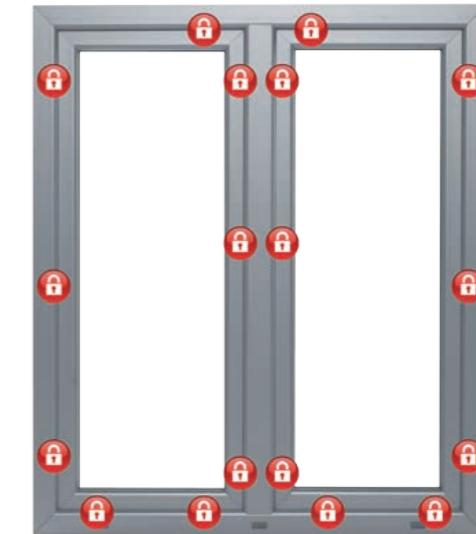
### Anti-Burglary fittings

The advanced anti-burglary fittings improves the level of protection against burglary by using i.e. RC1 or RC2 anti-burglary strikers (burglary resistance class according to the European Standard).



#### RC1 burglary resistance class

The anti-burglary fitting with RC1 burglary resistance class provides protection against forced entry (kicking, hitting, pulling out) by applying additional protection to each window corner and using a key lock handle.



#### RC2 burglary resistance class

The anti-burglary fitting with RC2 burglary resistance class improves protection against burglary with the use of force or tools. The fitting hinders entrance into the house through appropriately spaced mushroom striker plates, a key lock handle and the special P4 glass.

### Invisible hinges

The so-called „invisible hinges“ are concealed between the frame and the sash. This unique solution not only improves the aesthetic features of the window, but also its tightness. They also make it easier to keep the blinds, roller shutters and storm shutters clean. Guaranteed durability and functionality.

### Electronic access

Electronic access control function is available for windows with standard and RC2 fittings, heating control function available optionally

**Did you know  
that...**

In terms of producing fenestration joinery, OKNOPLAST is the most readily recognizable company in Poland and one of the most readily recognizable companies in Europe.

**Did you know  
that...**

OKNOPLAST  
was the first  
company to  
introduce many  
innovative  
solutions, such  
as glazing with a  
thermal transfer  
coefficient of  
 $U=1.0$ , caramel  
colored gaskets  
for windows  
in faux wood  
colours or a  
low balcony  
threshold – the  
Win Step.

## Accessories and additional equipment

### Thermopanes

Energy saving windowpane packages, which allow using large number of glass combinations: safety, security, ornamental, tempered and many others.

Thermopane packages with panes covered with modern low-emission coatings improving energy balance of the whole house.

Our in house production of glazing units is based on modern scanners detecting even smallest material defects and glass impurities ensuring perfect glass in all our glazing. Glazing units with tempered glass with enhanced resistance to breaking.. Also available with integrated blinds with electronic access control.

### Thermoframe

Warmatec is a combination of perfect parameters and aesthetic values. It is composed of two materials – its lower part is made of stainless steel, whereas its upper part is a synthetic polymer with low thermal conductivity. This limits the generation of thermal bridges at points where the glass contacts the frame, and consequently reduces the  $U_w$  coefficient for the entire window. It can be applied in all Oknoplast window systems. The Watermatec spacer is available in the following colours: black, brown and grey.

### Gaskets

Gaskets in colours adjusted to the frame colour, of high resistance to atmospheric conditions: humidity, steam and UV radiation.



### Georgian Bars

In-glass or glued on the outside, available in a wide range of colours and widths.

### dDESIGN+ handle

Our handles are made of aluminium characterized by exceptional strength. Their elegant style and ergonomic shape decorate any window. dDESIGN+ handle with modern shape complying with popular minimalistic trend, designed in cooperation with KISKA design. dDESIGN+ handle is available in three options classic, with the button or with the key.

### Win Step

A specially designed PVC threshold allowing unhindered access between internal and outside spaces.

### Win Click

An element of fitting allowing for shutting the balcony door from outside without the need to close with an internal handle.

### Sills

External and internal sills, of various dimensions and colours, resistant to high temperature and other atmospheric conditions.

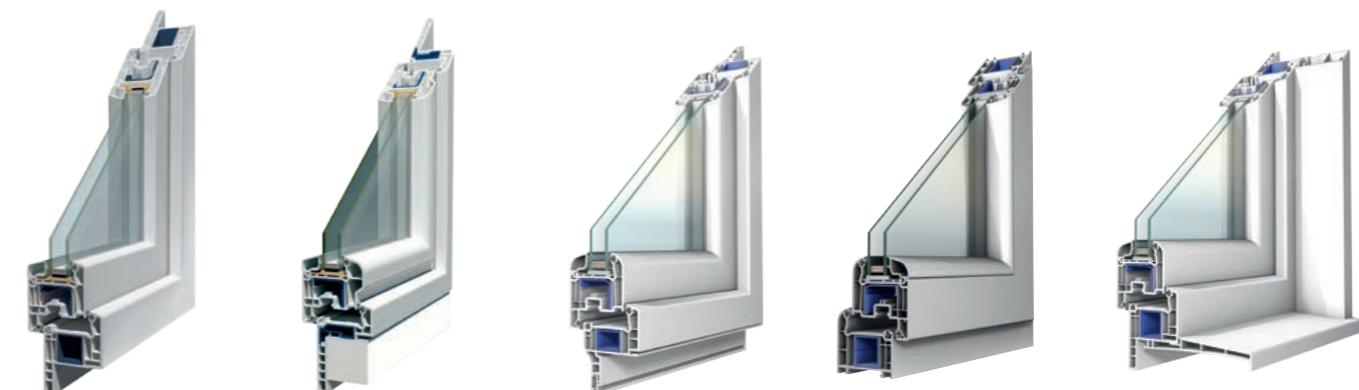
### Ventilators

Ensure proper air flow in rooms, increasing the comfort of living and preventing damp walls.



## Renovation frames

Thanks to renovation frames, it is possible to replace windows with no extra finishing work after installation. They are mounted on old frames, so it is feasible to replace them without any interference in the structure of the building. Old frames are covered from the inside of the room by means of a distinctive "fin" which, by facing the internal wall, forms an elegant design. The use of special reinforcements ensures suitable resistance and durability also in the case of large glazing.



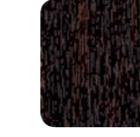
## Colours



anthracite



winchester



swamp oak



hazel



golden oak



sheffield oak



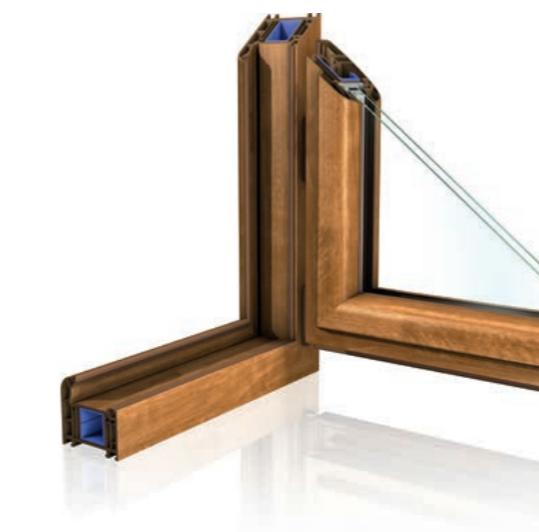
anthracite wood



siena rosso

A broad range of faux wood and RAL palette colours.

All colors are extremely durable and withstand all kinds of weather conditions.



### ColorFull

#### Window full of colour

- apart from visible planes, veneer is also provided in profile cuts – that is on surfaces visible only after window opening
- the whole profile surface has uniform colour and structure, and gives PVC windows a unique character
- windows in ColorFull version are available, in wood-like shades, including golden oak, walnut or Winchesters
- solution was awarded Best Product title by an Italian building portal - Edilportale

# ROLLER SHUTTERS

**OKNOPLAST roller shutters provide household members with security and an intimate atmosphere, energy savings and ease of use.**

Their aesthetics and top manufacturing quality guarantee their long and reliable use.



## Privacy

Closed shutters not only protect against the inquisitive eyes of neighbours, but also are a barrier stopping unwanted noise coming from the outside. The resulting intimate atmosphere guarantees comfort and relaxation to household members.



## Security

OKNOPLAST roller shutters can be fitted with security features preventing the lifting of the shutter curtains from the outside which additionally protects the house against burglary – a lowered shutter discourages potential burglars.



## Comfort and functionality

Automated roller shutters ensure maximum comfort of use. They're easy and user-friendly, and automatic timers and atmospheric condition sensors require no effort on the part of household members.



## Aesthetics

OKNOPLAST shutter systems may be installed in such a way that the shutter boxes are almost invisible. A wide range of available colours ensures that the shutters match other company products and the facade perfectly.



## Energy-saving

An additional thermal insulation barrier is created between the window and the curtain formed by a lowered shutter, which prevents heat losses in winter. In summer, a lowered shutter protects the room against excessive heat.



## Quality

OKNOPLAST roller shutters are produced with the use of top quality components, and the manufacturing process is characterized by attention to every detail. This guarantees that the shutters remain reliable for years.

## Did you know that...

Over 70% of the company's clients have been recommended to us by other satisfied users of OKNOPLAST products.

# Roller shutter



**Did you know  
that...**

OKNOPLAST headquarters in Poland consists of a logistics and office center and a production complex with a total area of 53 124 m<sup>2</sup>. This is equivalent to eight football pitches.



**OKNOPLAST LUNA roller shutter**

The system is designed for installation on the exterior side of the window. There are two installation possibilities. If the lintel is not "L"-shaped, the application of frame extensions prevents the need to modify the existing lintel. If the lintel is "L"-shaped, extensions do not need to be used. Luna roller shutter boxes are made of aluminum and can be hidden in the finishing of the exterior wall leaving only the bottom of the box uncovered for eventual service.

- case elements and curtains made of high quality aluminium
- can be fitted in both existing and new buildings
- exceptionally "warm installation" in profiles widening the window frame, with a thermal permeability coefficient of U=0.5 W/m<sup>2</sup>K (in the box zone) – close to the permeability of a correctly insulated wall. Parameters confirmed with certificates.



**OKNOPLAST SOL roller shutter**

This system is designed to be mounted on top of the window and installed as a complete unit in the window opening. A layer of insulation, which prevents heat loss is inside the box of the PVC roller shutter. The inspection (service) flap is then located at the bottom of the roller shutter, which allows for it being built-over on both sides. This guarantees top aesthetics.

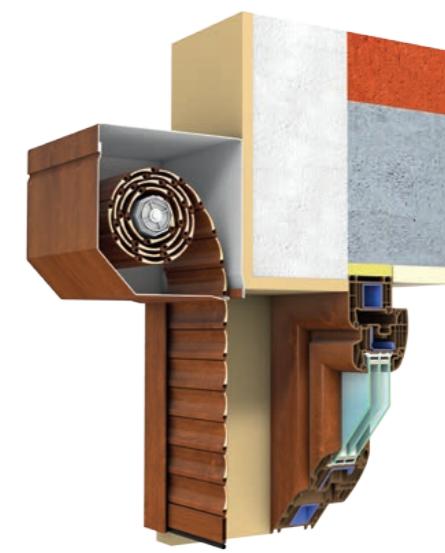
- can be fitted in new and existing buildings (in the latter case, only when replacing windows)
- The roller shutter can be completely built over (except for the service flap)
- an additional option of securing the roller shutters with automatic bolts or blocking hangers



**SOL EVOLUTION roller shutter**

The only product on the market which has top heat-insulating parameters. The system utilized in the windows (roller-blinds mounted in the window recess, once the assembly has been completed) means they become part of the wall. Heat-insulating properties better than in the case of standard solutions (0.8 instead of 1.1 W/m<sup>2</sup>K). The aluminum slats of the curtain are corrugated on both sides which increases its aesthetic value.

- can be fitted in both existing and new buildings
- wired control system.
- possibility to use additional protection by means of automatic bolts or locking stands.
- an optional solar-powered drive



**OKNOPLAST TERRA roller shutter**

This system is designed for mounting on the external part of the window or the wall of a building. Boxes and curtains are made of solid, powder coated aluminium, guaranteeing long and problem-free use of the roller shutters. The Terra roller shutter is available in a number of colours, which allows it to be matched to the exterior of the building.

- can be fitted in both existing and new buildings
- high quality of all elements
- acoustic properties confirmed with certificates



**Did you know that...**

OKNOPLAST has its own Research and Development Department continuously improving our products and looking for unique solutions.

## Openers and control

Roller shutter control has never been easier. Opening and closing is possible by pressing one button on a wall-switch or remote (wireless radio) control unit.

An interesting solution is also a touch-operated (sensory) switch or remote control unit with two-way communication. In the latter case, after sending a command remote control displays feedback information confirming that required operation has been executed.

As a result of installing automation, roller shutters may be operated with a remote control unit or a wall mounted switch. Additionally they may become part of an integrated management system controlling many devices depending on user's requirements and weather conditions. Electric operation of a roller shutter is very advantageous, guaranteeing e.g. energy saving or comfort of use.

We spare no effort to make our products as environment-friendly and energy saving as possible. In our offer we also have an option of an equipment operator powered by solar energy. It is also an ideal solution if there is no access to a standard electrical system 230V / 50Hz.



### wireless

- RTS radio control system
- open type system, which allows extending an existing control system at any moment
- guaranteed range: 200 m in an open area and 20 m through two reinforced concrete walls



### wired

- individual control: key button switches, central and timer automatics equipment
- possibility to add operation via a remote control unit by simple replacement of a switch with a built-in radio receiver

## Curtain

Curtains used in our roller shutter stands out from others in the market. The profile is corrugated on both sides, which significantly improves aesthetics. It also has improved rigidity which is reflected in certified wind resistance classes.

### Curtain colours



winchester



golden oak



hazel



white



mahogany



ivory



brown



silver



anthracite



grey



light brown



dark beige



beige



teak



cream



navy blue

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