



 **FAKRO®**

**COMPREHENSIVE RANGE OF
WINDOW AND DOOR JOINERY**



FAKRO

It all began in 1991 in Nowy Sącz, Southern Poland, where we launched our business based entirely on Polish capital. After over 30 years of expansion as the FAKRO GROUP, we are the world's second greatest producer of roof windows, with over 15% of the global market. There are over 100 engineers at FAKRO's research and development centre, converting ideas into innovative solutions and new products. We have filed over 200 patent applications. We supply many countries around the world with more than just roof windows - we also export the solutions and creative ideas of Polish engineers, thus contributing to an image of Poland internationally.

The FAKRO GROUP:

- employs over 4,000 people,
- invests in infrastructure: 11 production plants and 17 distribution companies,
- exports 70% of goods. FAKRO products can be found in over 50 countries across the world,
- our range includes over 1,000 products, and so far our roof windows have found over 8.5m buyers around the world.



We design, plan and produce with care for the environment. Offering eco-friendly and energy-efficient products has been encoded in the company's DNA. We ensure that every process, every action and every decision we make is always accompanied by concern for the comfort and healthy life of future generations. We have now closed all these activities in this one important **GO GREEN** philosophy.

LIGHT SHAPE ART

FAKRO has been supplying wood and aluminium roof windows to customers all over the world for many years. Sloping roof windows are constantly exposed to extreme weather conditions. Their structure and workmanship must meet the highest requirements for quality, airtightness, durability, comfort of use and aesthetics. Enormous experience in creating windows from wood and aluminium has enabled us to transfer the knowledge and experience acquired to the INNOVIEW vertical windows.

The comprehensive range of window and door joinery is complemented by FAKRO's INNOVIEW LINE of garage doors and front doors. FAKRO thus offers a full assortment of window and door joinery featuring the highest quality, very good energy efficiency, modern design and a coherent stylistic line and colour scheme, perfectly putting the LIGHT, SHAPE, ART motto into practice.

FAKRO is the best solutions,
modern design and a
coherent aesthetic line.
We offer a full range of window
and door joinery, aimed at
demanding investors.



arch. ROBERT KONIECZNY - FAKRO BRAND AMBASSADOR

The author of the best new private house according
to prestigious Wallpaper design magazine



LIGHT

It has great strength. It is the beginning. Inspiration. It is the signpost showing directions in your home. Light means that you're alive, that you feel, and that your home lives and feels with you.

Let it into your interior and create the perfect composition of warmth, calm and energy. It is thanks to the presence of light, aesthetic and functional cohesion in interiors, outstanding architecture of the shape of the building and surroundings, that you can say loudly and confidently: "Yes, this is my home and I'm proud of it."

LIGHT SHAPE ART





SHAPE

Do you feel good in your own skin? If you do, your home should feel good in its skin.

In its shape. This can't be bland, invisible, banal. It has to entice with its shape, to combine taste, mystery and simplicity. Your home must be you. It should be your best friend that you can truly be yourself with.

fot. KWK Promes, Juliusz Sokolowski



ART

No words are needed here as everyone takes and understands them differently.

It combines a sea of imagination, talent and the individual character of the creator. Now you can be that creator, creating your own home - a true work of art.



ROO

When spending time in enclosed spaces, we instinctively look for somewhere with plenty of natural light. In the attic, it is best to use a large glazed area which will provide abundance of natural light, practically unlimited views outside and make you feel connected with the world around you.



WINDOWS

Roof windows quite simply give life to spaces under a slanting roof. FAKRO offers a wide range of roof windows whose top quality, excellent durability and high security meet the requirements of customers around the world. The use of unique solutions and a multitude of available models mean that you have the choice to create an individual layout for attic space. FAKRO roof windows give you the freedom of arrangement.

UNIQUE

SOLUTIONS USED IN FAKRO ROOF WINDOWS:

- automatic V40P air inlet - fresh air and thermal energy savings
- topSafe system - increased operational safety and burglary resistance
- thermoPro technology - greater durability, energy-efficiency performance and excellent tightness



PPP-V preSelect MAX



FTT Thermo

FTP-V Z-Wave





For all rooms – windows made of wood coated with acrylic lacquer in natural or white colour. Both wooden and PVC windows are suitable for use in nearly all room types. Windows coated with white polyurethane lacquer are designed for interiors with elevated humidity levels.

Insulated – triple-glazed and even quadruple-glazed windows offer high energy-efficiency performance, contributing to lower heating bills.

Comfort of operation – positioning the handle in the bottom section of the sash ensures comfortable operation of the window as it is easily accessible. For roof windows installed beyond our direct reach, it is recommended to use models operated by means of a remote control.

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Available in many designs – a wide range of roof windows makes all customers easily find the right product. They can choose from pivot models, windows with raised axis of rotation, top hung and pivot structures, balcony, L-shaped combination or side hung escape windows.



FGH-V Galeria

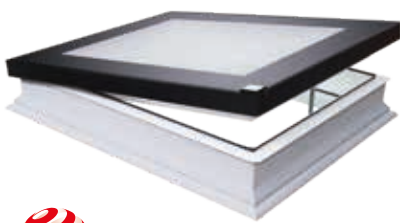
FPP-V preSelect





FAKRO's products for flat roofs illuminate interiors with natural light, provide an opportunity to air the space, and combine a high degree of functionality, modern design and excellent thermal specification. Now every room under a flat roof can be warm, light and extremely comfortable.

WINDO



reddot design award
winner 2016

The DEF U6 window with modern design and created with advanced production techniques received a prestigious Red Dot Award.



Architecture seeks optimal forms, and buildings with flat roofs are making increasingly bold advances into urban landscapes. It is often the case that in such buildings there are rooms where standard vertical windows cannot be fitted. Every room should contain a source of natural light to provide a feeling of comfort. In such situations the perfect solution is to fit specially designed windows for flat roofs.

OWNS

FOR FLAT ROOFS

AMPLE NATURAL LIGHT

With specially designed shapes of the sash and frame profiles, flat roof windows feature up to 16% greater glazing area when compared with other manufacturer's windows.

DEF





DEZ

High energy-efficiency

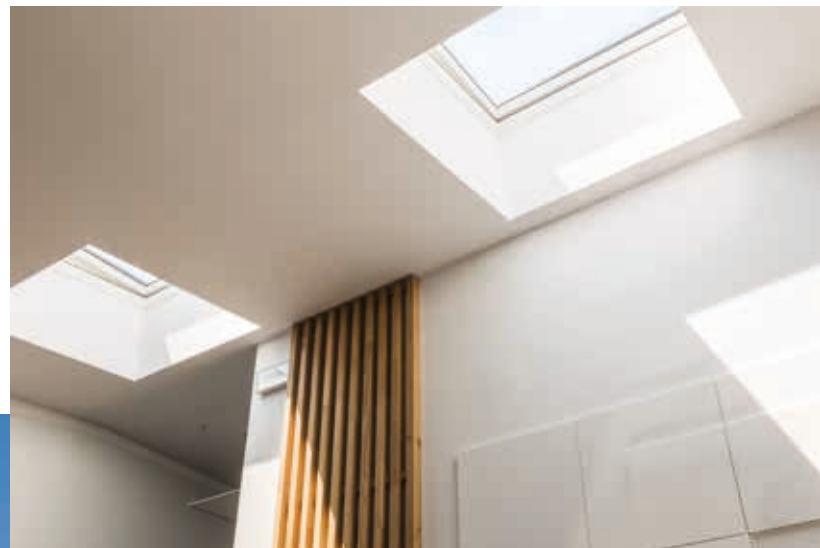
- the special structure of flat roof windows provides excellent thermal insulation. The DEC U8 (VSG) window with a passive, quadruple glazing unit is characterised by a heat transfer coefficient with a rating of $U = 0.55 \text{ W/m}^2\text{K}$ (EN 1873). This result is for a 120x120cm window with frame, sash and dome.

Wide product range

- flat roof windows come in a number of options such as with a dome, without it, with a glazing unit and even in a version that allows walking across their surface. They can be electrically operated, opened manually and non-opening.

Non-standard sizes - in addition to standard sizes, type F & type G windows can be manufactured in non-standard dimensions (in the range of 60x60cm - 120x220cm).

DEG

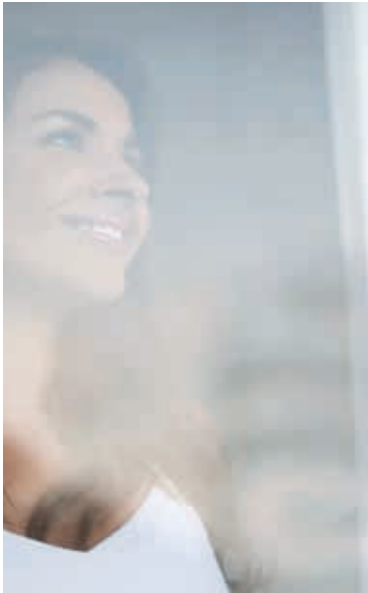


DXW



FAÇAD

5



Façade windows from FAKRO's INNOVIEW series are a perfect combination of wood and aluminium, featuring unrivalled durability, high energy savings, excellent security, aesthetics and comfort of use.



E

WINDOWS

The aluminium lining protects the window wooden frame from adverse external conditions. Natural wood on the inside of the room ensures a warm ambience and high aesthetic values. Individual and personalised products can be chosen for every building, to give the interior an exceptional character and perfectly match the shape of the house to emphasise its original nature.

WHAT

ELSE DISTINGUISHES FAKRO INNOVIEW VERTICAL WINDOWS?

- individual approach and personalised products
- energy-efficient glazing units starting from $U_w = 0.3W/m^2K$,
- many types and colours of wood and external profiles
- three design styles of external aluminium profiles and two shapes of wood profiles
- option to operate via a smartphone





FAKRO | **INNOVIEW**





TERRAC

DOORS

FAKRO transforms the concept of the interior. It changes the traditional division of the house and uses modern solutions to enable interiors which are open to the world around us. The house forms a whole with the surroundings. You can make use, on a grand scale, of the perspective, view and character of the surroundings as a coherent element of the layout concept.



E



WHAT

ELSE DISTINGUISHES FAKRO INNOVIEW TERRACE DOORS?

- option to manufacture huge glazings (max. 12 x 2.8 m)
- despite their large dimensions, doors are extremely comfortable to use and do not occupy additional space in the room
- SOFT CLOSE system is a unique mechanical solution that minimises the risk of pinching when closing the door
- option to manufacture HST SKY doors - fixed glazed sash with no frame that provides even more light





DOOR HST



DOOR HST-SKY





The garage door no longer plays a mere functional role, it is also becoming one of the major architectural elements of a building. It sometimes emphasizes and complements the aesthetic values of the home and sometimes even constitutes a starting point in the visual composition of the building. Sectional garage doors from FAKRO's INNOVIEW LINE have been designed and constructed "from scratch." The unique solutions guarantee the highest quality and aesthetics of workmanship, very good heat insulation, safety and comfort of use.

Apart from their sheer functionality, front doors constitute an important decorative element complementing the appearance of your home. Front doors from the INNOVIEW LINE series have been created from a combination of wood and aluminium lining.



WHAT

ELSE DISTINGUISHES FAKRO INNOVIEW LINE GARAGE DOORS?

- individual approach and personalised products
- uniform style and colours matched to other INNOVIEW joinery products
- energy-efficient panels with $U=0.53W/m^2K$
- unique solutions in the field of safety
- option to operate via a smartphone



WHAT ELSE DISTINGUISHES FAKRO INNOVIEW LINE FRONT DOORS?

- high thermal insulation performance - energy-efficient doors with 100 mm thick leaf ($U_d=0.68 \text{ W/m}^2\text{K}$)
- many modern designs and colours of aluminium claddings give the opportunity of individual selection of doors perfectly suited to other joinery elements in the building



External awnings fitted to façade windows significantly improve the comfort experienced while inside the building on hot days. They absorb the sunlight before it reaches the pane and emit heat outwards, thus protecting the interior against overheating. Awnings effectively shade the interior, while at the same time providing a view to the outside. With the awning pulled down, the light inside the room is much softer and decidedly more pleasing to the eye. Products in the INNOVIEW series are characterised by the highest possible quality and aesthetic values, creating a coherent line with the rest of the series in terms of design and style.

VERTICAL

AWNING



Krzysztof Miruć

arch. Krzysztof Miruć

NG LINDS

PROTECTION

FROM OVERHEATING

- awning blinds absorb sunshine before it reaches the glazing and emit the heat to the outside of the room, hence protecting against overheating
- effective shading of the room, while providing good view to the outside
- reduction or total elimination of energy consumption by air conditioning devices





- comfort of operation - awning blinds are available in electrically operated versions (VMZ Solar, VMZ Z-Wave, VMZ Electro) and manually operated ones (VMZ). The Solar type awning blind comes with a sensor which depending on the level of insolation automatically makes the blind to unroll or roll up
- improved ergonomics - awning blinds ensure even distribution of light in the room, protecting eyes from harmful effects of reflections, especially uncomfortable when watching TV or working on the computer
- protection from insects - when pulled down, electric awning blind and VMZ ZIP model fitted onto vertical window can also act as insect screens, protecting from annoying insects



Smarthome is a solution for intelligent home management. Electrical products and various types of sensors integrated with them reduce many manual activities allowing you to achieve exceptional living comfort. A smart home also facilitates day-to-day home management and results in money savings thanks to effective control of electricity and thermal energy.

FAKRO offers a comprehensive range of window and door joinery suitable for use in smart buildings. By installing electrically operated FAKRO roof windows equipped with a rain sensor and reed relay, Solar awning blind with intelligent operation system or an electric internal blind, you can take the first step towards your smart home.

SMART HOME



SMART HOME

You can choose the technology to base your smart home on.

Available options:

- **Z-Wave** wireless data communication protocol



- **µWiFi** wireless data communication protocol



Loft ladders ensure safe and easy access to non-habitable loft space without the need for costly and bulky stationary stairs. They meet all technical and safety requirements as well as provide full comfort of use.

LOFT

LADDERS





LOFT LADDERS

USEFUL IN EVERY ATTIC SPACE

- space savings - FAKRO loft ladders do not require much space for unfolding and folding up, while in the latter position - they hide in the ceiling. This saves space in the room in which they are installed.





Easy installation - assembly system allows for easy installation of the product by two people and to match the ladder to the room height. The loft ladder is delivered to the customer completely assembled and does not require any pre-assembly work.

Easy operation - appropriate design of the hatch unloading mechanism, and in some models also the ladder, improves the loft ladder use. The control rod included with the loft ladder secures easy opening and closing of the product.

Wide product range - a number of the loft ladder types (wooden or metal ladder, scissors or miller staircase) makes the customer find the right product to ensure safe and easy access to the attic space.





GO GREEN