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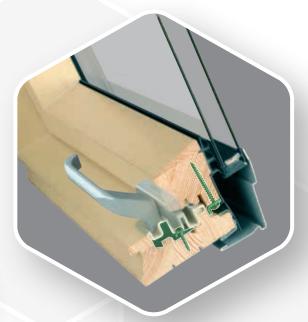
WHY CHOOSE FAKRO?

Our windows offer a perfect combination of style, sustainability, security and long design life. To achieve such high performance involves ongoing product development and improvement to every roof window that we design.

EXCEPTIONAL SECURITY

FAKRO's topSafe system gives confidence and peace of mind that our roof windows offer exceptional burglary resistance with additional reinforcement to prevent the sash from being forced open.





10-YEAR WARRANTY

Whether buying natural pine, UPVC or any other style, FAKRO offers a 10-year warranty for all roof windows. We also offer a no-quibble lifetime warranty against damage by hailstones.

TOP QUALITY MATERIAL

The pine we use offers the clearest visual evidence of our roof window quality. Not only does its close grain look stylish, we obtain timber from FSC® certified sources.



CUSTOMER SUPPORT

We are on-hand via phone on 01283 554 755 or via livechat on our website. Our dedicated, friendly customer service and technical support teams will happily guide you through your project needs.

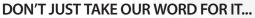


From high energy-saving glazing, to recyclability to responsibly sourced pine, sustainability is in our DNA. We ensure that every process, every action and every decision we make is always accompanied by concern for the comfort and well-being of future generations.



WE DON'T JUST DO WHITE

FAKRO roof windows can be manufactured in any RAL colour from the RAL classic palette. That's over 200 colours you can specify for your project!



"I ordered a pitched roof window. Loved how it brightened up the room. So much so, that we ordered a second one. Excellent customer service when I phoned up to repeat my order."

- MT, Homeowner

CERTIFICATES











GO GREEN











HOW TO CHOOSE A ROOF WINDOW

FIND OUT YOUR ROOF PITCH





DID YOU KNOW?

The glass area should be at least 15-20% of the total floor area for maximum results.

It is important to understand what pitch your roof is. This will determine which window and flashing kit is most appropriate for your project. If you're not sure what your roof pitch is, we would suggest contacting your builder.

CHOOSE YOUR STYLE



Depending on your roof pitch, you may decide a pitched roof window or a flat roof window is the best option. For a pitched roof, you may want our best-selling centre pivot roof window and as for a flat roof, the domed option might be a preference.

CHOOSE YOUR FINISH



We offer 4 standard internal finishes; these are Natural Pine, White Acrylic, White Polyurethane and White UPVC. Natural Pine and White Acrylic are our most popular but if you are installing the window into a kitchen or bathroom, the White Polyurethane and White UPVC are designed to withstand high humidity.

DO YOU LIVE IN A CONSERVATION AREA?



We offer conservation windows that are suitable for properties in a conservation area. If you are unsure, and your builder and/or architect isn't sure either, your local planning authority will advise.

MANUAL OR ELECTRIC?



Electric roof window are perfect for those hard to reach places – equipped with a rain sensor that automatically closes as soon as it begins to rain.

CHOOSE YOUR GLAZING









There are numerous glazing types available for FAKRO roof windows. They are as follows:

P2 - Double glazed, toughened outer pane P5 - Triple glazed, anti-burglary

U6 - Triple glazed, high energy-efficient U8 - Quadruple glazed, Passivhaus certified

HOW TO CHOOSE A FLASHING KIT

Depths explained

- **N** High profiled flashing kit (+3cm)
- **V** Standard depth flashing kit
- J Recessed flashing kit (-3cm)



STANDARD FLASHING

Type of roofing material		Roof pitch	Fitting depth	Flashing
	Roof coverings such as: - roofing felt	1 5°−90°	V (0)	= ES
	- bitumen - flat sheet metal	→ 20°−90°	J (–3 cm)	- 15
	Roof coverings such as: - bitumen	→ 20°−90°	V (0)	= EL
	- slate	20 - 90	J (–3 cm)	- 11
4001	Plain Tile roof coverings	♣ 25° – 90°	V (0)	= EP
	non-interlocking (Peg Tiles)	T 23 70	J (–3 cm)	- Lr
	Profiled roof coverings such as:	1 5°−90°	N (+3 cm)	
delle 1	- roof tiles - corrugated metal sheeting	+ 15°−90°	V (0)	= EZ
<u></u>	- corrugated metal sheeting	→ 20°−90°	J (–3 cm)	
411	High profile roof coverings such as: - roof tiles - corrugated metal sheets	1 5° – 90°	N (+3 cm)	= EH

LOW PITCH FLASHINGS

Type of roofing material		F	Roof pitch	Flashing			
	Roof coverings such as: - roofing felt - bitumen - corrugated metal sheeting	+	10° – 75°				
all	Profiled roof coverings such as: - roof tiles - corrugated metal sheeting	+	10° – 75°	= E_A			
all	High profile roof coverings such as: - roof tiles - corrugated metal sheeting	+	10° – 75°				

OTHER FLASHINGS

Type of roofing material		Roof pitch	Fitting depth	Flas	hing
m	High profile roof coverings such as: - roof tiles	→ 15°−90°	V (0)	_ EHAT	
-00	- corrugated metal sheeting	→ 15°−90°	N (+3 cm)	Thermo	
	Roof coverings such as: – flat sheet metal	→ 15°−90°	V (0)		
	– standing seam zinc etc	→ 20°−90°	J (–3 cm)	= EE	
	Roof coverings such as:	→ 15°−90°	V (0)	- FD	
	-standing seam	20° – 90°	J (–3 cm)	= EB	



CENTRE PIVOT ROOF WINDOWS



 Our most popular range of windows with a wide range of accessories



• Easy cleaning as the centre pivot sash rotates 180 degrees



• Increased safety due to the topSafe system



• Handle at the bottom for easy operation



Available in any RAL colour



• 10-year warranty on all roof windows

GLAZING EXPLAINED



P2 - **Double glazed**, toughened outer pane U-Value of window 1.3



P5 - **Triple glazed**, anti-burglary U-Value of window 0.97 (UPVC 1.1)



FTP-V
NAUTRAL PINE

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



FTW-V WHITE ACRYLIC

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FTU-VWHITE POLYURETHANE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



PTP-V UPVC

- Highly efficient air inlet V35
- Reinforced steel core for high-performance
- Ideal for high-humidity rooms such as bathrooms, kitchens and utilities

SIZES AVAILABLE															
windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140	134x98	94x160
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.82	0.75	0.92	0.95	1.16	0.92	0.75
size symbol	01	02	16	03	04	05	06	07	13	08	09	10	11	12	80
DOUBLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TRIPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	√ *	✓	✓	√ *	√ *	√ *	√ *

 $\hbox{*\,UPVCTRIPLE\,GLAZED\,VERSION\,NOT\,AVAILABLE}$



CONSERVATION STYLE AVAILABLE



ALSO AVAILABLE IN ELECTRIC (Z-WAVE). Turn to page 12 and 13



FOR BLINDS AND ACCESSORIES SEE PAGE: See p ages 34 - 37



Z-WAVE (ELECTRIC) & SOLAR CENTRE PIVOT ROOF WINDOWS



 Our most popular range of windows with a wide range of accessories



- Open and close your windows at the touch of a button. Z-Wave windows also come with a rain sensor as standard so they shut automatically at the first drop of rain
- SOLAR
- No need to wire into the mains with our Solar roof windows. Fitted with a solar panel on the outside of the window to generate the power to open



• Easy cleaning as the centre pivot sash rotates 180 degrees



 \bullet Increased safety due to the topSafe system



• 10-year warranty on all roof windows



Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.3



P5 - **Triple glazed**, anti-burglary U-Value of window 0.97



FTP-V Z-Wave & Solar NAUTRAL PINE

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



FTW-V Z-Wave & Solar WHITE ACRYLIC

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FTU-V z-Wave & Solar

WHITE POLYURETHANE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



ZRW7 - wall switch and other Z-wave accessories available



PTP-V Z-Wave & Solar UPVC

- Highly efficient air inlet V35
- Reinforced steel core for high-performance
- Ideal for high-humidity rooms such as bathrooms, kitchens and utilities

SIZES AVAILABLE															
windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140	134x98	94x160
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.82	0.75	0.92	0.95	1.16	0.92	0.75
size symbol	01	02	16	03	04	05	06	07	13	08	09	10	11	12	80
DOUBLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TRIPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	-	-	✓	-



CONSERVATION STYLE AVAILABLE



ALSO AVAILABLE IN WIFI. See page 14 and 15



FOR BLINDS AND ACCESSORIES SEE PAGE: See pages 34 - 37



WIFI CENTRE PIVOT ROOF WINDOWS



• Easily connects to home automation systems, for example, Alexa and Google Home



 Can be controlled via smart phones with a compatible app



• Easy cleaning as the centre pivot sash rotates 180 degrees



• Increased safety due to the topSafe system



• 10-year warranty on all roof windows



• Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.3



P5 - **Triple glazed**, anti-burglary U-Value of window 0.97





FTP-V WiFi
NAUTRAL PINE

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- · Double coated wood with eco-friendly lacquer



FTW-V WIFI
WHITE ACRYLIC

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FTU-V WIFI
WHITE POLYURETHANE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens

WIFI CONTROL ELEMENTS



REMOTE WIFI - remote to control 3 devices in 4 groups



ZFC - Control unit to transform electro centre pivot to WiFi system



ZFZ 230 ZRD - Update kit for easy transforming manual window to WiFi system.

SIZES AVAILABLE															
windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140	134x98	94x160
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.82	0.75	0.92	0.95	1.16	0.92	0.75
size symbol	01	02	16	03	04	05	06	07	13	08	09	10	11	12	80
ALL	√	√	√	✓	√	✓	√								



CONSERVATION STYLE AVAILABLE





HIGHLY ENERGY EFFICIENT PIVOT ROOF WINDOWS



 Specialist triple and quadruple glazing to keep your home warmer and save you money on utility bills



 Easy cleaning as the centre pivot sash rotates 180 degrees



● Increased safety due to the topSafe system



• Handle at the bottom for easy operation



• 10-year warranty on all roof windows



Available in any RAL colour

GLAZING EXPLAINED



U6 - **Triple glazed**, energy-efficient U-Value of window 0.80



U8 - **Quadruple glazed**, highly energy-efficient U-Value of window 0.58 (with thermal flashing)



FTT
NAUTRAL PINE

- Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



FTT/W WHITE ACRYLIC

- Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FTT/U WHITE POLYURETHANE

- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



Windows FTT U8 Thermo designed for passive house buildings, Passive House certified

SIZES AVAILABLE														
windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140	134x98	94x160
effective glazing area [m²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.82	0.75	0.92	0.95	1.16	0.92	0.75
size symbol	02	16	03	04	05	06	07	13	08	09	10	11	12	80
TRIPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
QUADRUPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



CONSERVATION STYLE AVAILABLE





TOP HUNG AND CENTRE PIVOT ROOF WINDOWS preSelect MAX



 Dual function roof window can be opened in top hung mode or centre pivot giving you greater spread of natural light but also easy cleaning



• preSelect MAX can be opened in any position from 0-45



• Increased safety due to the topSafe system



 Handle at the bottom for easy operation remove two-step micro opening



• 10-year warranty on all roof windows



• Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.3



P5 - **Triple glazed**, anti-burglary U-Value of window 0.97 (UPVC 1,1)



FPP-V preSelect MAX

NAUTRAL PINE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- · Double coated wood with eco-friendly lacquer



FPW-V preSelect MAX WHITE ACRYLIC

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FPU-V preSelect MAX

WHITE POLYURTHANE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



PPP-V preSelect MAX
UPVC

- Highly efficient air inlet V35
- Reinforced steel core for high-performance
- Ideal for high-humidity rooms such as bathrooms, kitchens and utilities

SIZES AVAILABLE														
windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140	134x98	94x160
effective glazing area [m²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.82	0.75	0.92	0.95	1.16	0.92	0.75
size symbol	02	16	03	04	05	06	07	13	08	09	10	11	12	80
UPVC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ALL OTHER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

NOTE- Golden oak, pine, or anthracite veneer available on request. Please contact your FAKRO representative for further information.



CONSERVATION STYLE AVAILABLE



FOR BLINDS AND ACCESSORIES SEE PAGE:



HIGH PIVOT ROOF WINDOWS AND DUET ROOF WINDOWS



• High pivot roof windows give greater headroom within the space



 With a larger window and glazing area, the Duet style provides more daylight into the room



• Easy cleaning as the centre pivot sash rotates 160 degrees



● Increased safety due to the topSafe system



 Handle at the bottom for easy operation remove two-step micro opening



• 10-year warranty on all roof windows



Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.3



P5 - Triple glazed, anti-burglary U-Value of window 0.97





FYP-V proSky
FDY-V Duet proSky
NAUTRAL PINE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



FYW-V proSky WHITE ACRYLIC

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FYU-V proSky FDY-V/U Duet proSky WHITE POLYURETHANE

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens

SIZES AVAILABLE						
windows external dimensions [cm]	78x160	78x180	78x206	94x160	94x180	94x206
effective glazing area	0.85	0.92	ш	1.07	1,22	ш
[m²] size symbol	13	40	42	80	41	43
DOUBLED GLAZED	✓	✓	✓	✓	✓	✓
TRIPLE GLAZED	✓	✓	✓	-	✓	-

SIZES AVAILABLE - DUET STYLE												
windows external dimensions [cm]	78x206	78x235	94x206	94x235								
size symbol	СВ	CC	DB	DC								
DOUBLED GLAZED	✓	✓	✓	✓								



CONSERVATION STYLE AVAILABLE





BALCONY WINDOWS - GALERIA



• Get the effect of a balcony at the fraction of the cost!



 An innovative, large roof window with two opening sashes - creating more space and a balcony-effect



• Easy cleaning as the centre pivot sash rotates 180 degrees



• Increased safety due to the topSafe system



• 10-year warranty on all roof windows



Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.5



P5 - **Triple glazed**, anti-burglary U-Value of window 1.1





FGH-V Galeria
NAUTRAL PINE

- Automatic air ventilation V40P
- Knot-free high quality pine wood
- · Double coated wood with eco-friendly lacquer



FGH-V/W Galeria WHITE ACRYLIC

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FGH-V/U Galeria WHITE POLYURETHANE

- Automatic air ventilation V40P
- · Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



- Barriers when closed are concealed under the window flashing elements , so they do not collect dirt or spoil aesthetics of the roof.
- Made to order Balcony window available only with installation performed by authorised service.
- Combining FGH-V balcony window with other FAKRO windows, e.g. FDY-V is possible with a combination flashing price on request

SIZES AVAILABLE							
windows external dimensions [cm]	78x255	94x255	114x255	windows external dimensions [cm]	78x255	94x255	114x255
	п	П	П	ELV/G	\checkmark	\checkmark	\checkmark
effective glazing area [m²]	1,32	1,67	Ш	EZV-A/G	✓	✓	✓
DOUBLED GLAZED	✓	✓	✓	EHN-A/G	✓	✓	✓
TRIPLE GLAZED	✓	✓	-	EHN-AT Thermo/G	✓	✓	✓



SPECIAL ORDER BLINDS AVAILABLE.
GET IN TOUCH FOR MORE INFORMATION.



L-SHAPED VERTICAL COMBINATION WINDOWS



 L-shaped windows are designed to be installed where the roof meets a vertical wall



• Vastly increases the amount of light entering the room



 Vertical window and pitched roof window are ordered separately



• Increased safety due to the topSafe system



 As standard they are equipped with multi-point lock fittings and with P2 or P5 safety glazing



• 10-year warranty on all roof windows



Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.3



P5 - **Triple glazed**, anti-burglary U-Value of window 0.88





BD_, BVP, BXP NAUTRAL PINE

- Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



BD_/W, BVW, BXW WHITE ACRYLIC

- Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



BD_/U, BVU, BXU WHITE POLYURETHANE

- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens

OPENING



TILT & TURN



TILT



NON-OPENING

SIZES AVAILABLE									
windows external dimensions [cm]	78x60	78x75	78x95	78x115	78x137	94x75	94x95	114x75	114x95
effective glazing area [m²] size symbol	0.25	0.33	0.45	0.57	o.71 84	0.42	0.58	0.53	0.73 90
TILT & TURN	✓	✓	✓	✓	✓	✓	✓	-	✓
TILT	✓	✓	✓	✓	✓	✓	✓	✓	✓
NON-OPENING	✓	✓	✓	✓	✓	✓	✓	✓	✓



CONSERVATION STYLE AVAILABLE



See pages 34 - 37



SMOKE VENTILATION WINDOWS



• Intended to evacuate heat and smoke from inside the building during fire



 Factory equipped with an electric actuator (24V) which when connected to the control system opens and closes the window



• Fitted with a chain actuator to open the sash to 90 degrees in relation to the frame



● 5-year warranty



 Meets UK building regs and are fully tested and certified to EN 12101-2:2003



 All kits are supplied for onsite installation and commissioning by others



Available in any RAL colour

GLAZING EXPLAINED



P2 - **Double glazed**, toughened outer pane



FSRNAUTRAL PINE

- Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



FSR/WWHITE ACRYLIC

- Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FSR/UWHITE POLYURETHANE

- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



Comes supplied as a kit with all electrics and flashings included.

- DEFAK029 consists of the following:
- VRS10FAK (Rain Sensor)
- DEFAK021 (Smoke Vent Break Glass RT45)
- DEFAK022 (Smoke Detector)

Please advise flashing kit type required at time of order

SIZES AVAILABLE				
windows external dimensions [cm] ventilation area [m²]	78x140 1.5	114x118 1.0	134x118 1.5	134x140 1.5
effective glazing area [m²] size symbol	0.72 2x07	0.95	1,15	17
DOUBLED GLAZED	✓	✓	✓	✓



CONSERVATION STYLE AVAILABLE



SIDE-HUNG ESCAPE WINDOWS



● The FWP escape window is side-hung and therefore side-opening. Once unlocked, the sash can be opened to 90°



• The gas piston fitted in the top part of the window facilitates opening and stabilizes the sash



 Universal design allows installation with any opening side (right or left)



 Handle positioned in the middle of the sash allows opening and microopening



• 10-year warranty on all roof windows



Available in any RAL colour

GLAZING EXPLAINED



P2 - Double glazed, toughened outer pane U-Value of window 1.4



P5 - **Triple glazed**, anti-burglary U-Value of window 0.97





FWPNAUTRAL PINE

- Knot-free high quality pine wood
- Double coated wood with eco-friendly lacquer



FWWWHITE ACRYLIC

- Knot-free high quality pine wood
- Double coated wood with white eco-friendly lacquer



FWUWHITE POLYURETHANE

- Knot-free high quality pine wood
- Designed for humid rooms such as bathrooms and kitchens



PWP UPVC

- Reinforced steel core for high-performance
- Ideal for high-humidity rooms such as wet room and laundry rooms

SIZES AVAILABLE							
windows external dimensions [cm]	55x98	66x78	66x98	66x118	78x98	78x118	94x98
effective glazing area [m²]	0.29	0.28	0.38	0.47	0.47	0.59	ш
size symbol	02	22	03	04	05	06	08
DOUBLE GLAZED	✓	✓	✓	✓	✓	✓	✓
TRIPLE GLAZED	✓	✓	✓	✓	✓	✓	✓



CONSERVATION STYLE AVAILABLE







NAUTRAL PINE



WHITE ACRYLIC



WHITE POLYURETHANE



UPVC

CONSERVATION STYLE WINDOWS

- The FAKRO window with a mullion bar is designed for historic or stylised buildings. Its characteristic feature is black vertical mullion bar in the middle of the glazing, cladding and flashing (colour RAL 9005) which suits traditional construction.
- By using FAKRO windows with a mullion bar we can keep the unique, historic character of the building from the outside and create a comfortable and modern interior. Windows with a mullion bar feature all advantages of FAKRO roof windows.
- They are available in standard sizes in the following versions: -pivot windows,
 - top hung and pivot windows
 - roof access windows.
- Kits include window, flashing & undercollar felt.

POPULAR SIZES INC	POPULAR SIZES INCLUDE												
windows external dimensions [cm]	55x78	55x98	66x118	78x98	78x118	78x140	94x118	114x118					
effective glazing area [m²] size symbol	0.21	0.29	0.47	0.47	0.59	0.72	0.75	0.95					
DOUBLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓					
TRIPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓					







- Roof access windows provide fast, safe and easy access to the roof for conservation and required maintenance work. Depending on the room type in the loft (inhabited or uninhabited) a range of access windows can be used.
- Designed solely for uninhabited lofts with the interior temperature similar to the outdoor temperature.
- Roof access windows come with an integrated flashing compatible with most type roofs.

GLAZING EXPLAINED

- Single and double glazed units available





WG

- Access roof light has a top hung design and the sash opens outwards
 - WGT single glazed 4H
 - WGI double glazed with gas spring
 - -4H-9-4H



WLI

- Access roof light opens to the side, equipped with glazing 4H-8-4H
- it can be installed in left or right opening version
- it comes complete with a turn limiter to hold the sash stable



FLASHINGS FOR ROOF WINDOWS

- Flashings are essential for a tight connection of roof windows with roofing material
- They ensure a durable, weatherproof and tidy fit with good drainage away from the window
- Variety of standard roof window flashings, as well as a number of specialist sets including angle-changing, recessed, combination and conservation



Standard flashings allow window to be installed in the most popular types of roofing materials:



for nautral and manmade, non-interlocking slates up to 10mm thick



for flat roof coverings up to 5mm thickness



EP_for plain tiles up to 16mm thick



for profiled roof coverings up to 45mm depth



for deeply profiled roof coverings up to 90mm depth



EBV-V for panel metal sheeting such as standing seam roof

If unsure, please speak to the team on 01283 554755.

windows dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12	94x160 80
ALL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

CONSERVATION STYLE AVAILABLE

THERMO FLASHINGS ALSO AVAILABLE

COMBINATION FLASHINGS

The combination flashing are ready made flashing systems for joining windows in groups: horizontally, vertically and in a block. The distance between windows joined horizontally and vertically is normally 10cm.

There are seven modules in the FAKRO combination system, to cater for any layout you may require.

Other gutter channels are available.



B2/1Horizontal combination



B1/2Vertical combination



B2/2Block combination

SIZES AVAILABLE															
windows dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12	94x160 80
ALL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



ROOF WINDOW ACCESSORIES

- FAKRO roof window accessories combine functional and operational features with attractive designs
- Internal accessories can put the finishing touches on any roof window. The wide range of blind type, style and colour ensures complete harmony with your chosen decor and helps shape a room's character
- Exterior accessories (awning and blind) effectively protect against excessive heating of the attic on hot summer days
- Accurate adjustment of accessories to FAKRO roof windows ensures their quick and easy assembly.
 The original FAKRO accessories are characterised by high quality, innovative solutions and aesthetic appearance

EXTERNAL ACCESSORIES



Awning blinds AMZ

- Offers up to 8 times more effective protection in comparison with internal blackout blinds
- Effective shading of the room at the same time providing a view to the outside

Control:

- **AMZ** manually operated or with the use of a control rod (supplied with blind)
- AMZ Z-Wave system, controlled by remote control or wall switch
- **AMZ Solar** controlled by remote control, recommended in places where there is no 230V power supply



SIZES AVAILABLE - AWNING BLINDS

External roller shutters **ARZ**

- Effective protection from tiresome heat
- Colour matches the window RAL 7022
- Shading of the room
- Increased security
- Increases the feeing of privacy
- Acoustic protection against external noise
- ARZ-H is not suitable for UPCV roof windows
- The best protection from tiresome heat

Control:

- **ARZ-H** operated manually from the inside with a crank (supplied in package)
- ARZ Z-Wave system, controlled by remote control or wall switch
- ARZ Solar controlled by remote control, recommended in places where there is no 230V power supply

windows dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140	134x98	94x10
size symbol	01	02	16	03	04	05	06	07	13	08	09	10	11	12	80
MANUAL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√
Z-WAVE (ELECTRIC)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
							√	√	√	√	√	√			_/
SOLAR SIZES AVAILABLE - EX	TERNAL	SHUTTI	ERS		✓	√		•	<u> </u>	.		<u> </u>			
	▼ TERNAL 55x78 01		55x118	66x98 03	66x118 04	78x98 05	78 x118	78x140 07	78x160 13	94x118 08	94x140 09	· ·		134x98 12	94x16
SIZES AVAILABLE - EX	55x78	SHUTTI 55x98	55x118	66x98	66x118	78x98	78x118	78x140	78x160	94x118	94x140	114x118	114x140		
SIZES AVAILABLE - EX windows dimensions [cm] size symbol	55x78	SHUTTI 55x98 02	55x118	66x98	66x118	78x98	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	114x118 10	114x140 11	12	

INTERNAL ACCESSORIES



venetian blinds AJP

- Reduction of incoming light to the room
- Control the direction and the amount of the light entering by changing the angle of the slats providing a view to the outside



dimming roller blind **ARP**

- Protection against sunlight during sunny days
- Possibility to lock the blind in any position



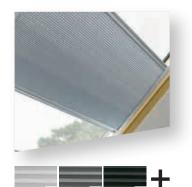
blackout blinds ${f ARF}$

- Very good protection from sunlight
- Possibility to lock the blind in any position
- Partial protection from solar heat



pleated blinds **APS**

- Provide a soft and diffused light into the room
- Possibility to lock the blind in any position
- Top-down system easy operation by top and bottom bar



pleated blinds **APF**

- Gradual reduction of the incoming sunlight up to the black out
- Possibility to lock the blind in any position
- Top-down system easy operation by using the upper and lower beams



insect screen AMS

- Protection against insects
- Minimum shading of the room
- Can be installed with other internal and external accessories



FULL RANGE OF COLORS MATERIALS AVAILABLE ON:

https://www.fakro.co.uk/products/all-products/accessories-for-roof-windows/

SIZES AVAILABLE															
windows dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12	94x160 80
ALL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**ARP NOT AVAILABLE IN SIZES 78x160 AND 94x160

AMS commercial size	55x170	55x200	66x200	66x240	78x200	78x240	94x200	94x240	114x200	114x240	134x200	134x240
lining opening width [cm]	49.5	49.5	60.5	60.5	72.5	72.5	88.5	88.5	108.5	108.5	128.5	128.5
lining opening maximum height [cm]	170	200	200	240	200	240	200	240	200	240	200	240
INSECT SCREEN	√											

ACCESSORIES FOR OPENING WINDOWS



Telescopic pole **ZST**

 Enables the operation of windows and blinds that are beyond the users reach.
 It can reach up to 2.7m but an extension pole (ZSP) is available



Window restrictor **ZBB**

• Window restrictor -enabling safe sash opening in the tilt position up to 10cm



Handle with lock **ZBH**

 ZBH handle can be used to secure your FAKRO roof window due to its locking mechanism.

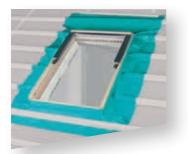
INSTALLATION ACCESSORIES

FAKRO installation accessories guarantee quick and easy connection between the roof window and the roof construction. Using original installation accessories will allow the proper use of windows for many years.



XDK Insulating set

 Consists of the XDP breather membrane collar and XDS airtight flashing – providing better insulation around the window.



XDP Insulating set

- Designed to enable fast, tight airpermeable and thermal insulation around the window to be installed
- The set consists of air-permeable membrane and thermo-insulating material made of natural wool in shape of wool cubes and wool tress.



XDS Air-tight flashing

• Is secured internally to form air-tight barrier around the window against warm and humid air as any moisture on the surface of the insulation greatly reduces its thermal insulation properties

SIZES AVAILABLE															
windows dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	78x160 13	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12	94x160 80
ALL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓











FLAT ROOF WINDOW STRUCTURE

A flat roof window frame is constructed using reinforced multi-chamber PVC profiles. The internal surface of the frame is white (RAL 9010). The material used in the profile features high resistance against acids and has low moisture absorption. As a result, the window can be installed in every room.

Profiles are filled with insulation material, thus additionally improving the energy saving parameters of the product. The specially profiled covering material under the frame drip cap further improves the ultimate finish between the window and the roof covering.



The servo-motor in electrically opened windows is positioned in the sash and is protected against adverse weather conditions such as rain and snow.

This ensures trouble free operation of the servo--motor and all control elements.



The electrically operated windows (type C, type F, type G and type Z) have a built-in sensor that automatically activates the sash closing function when it rains.

Electric actuator situated in the window sash allows for sash maximum micro-opening up to 120mm.

SAFETY & FUNCTIONALITY



HIGH SAFETY

Flat roof windows DMF DU6 Secure, DXF DU6 Secure, DMC P4 Secure and DXC P4 Secure comply with European anti-burglary class RC2 (EN 1627). They are also characterised by the highest impact resistance (Class SB 1200 - EN 1873).

Installation of such windows in flat roofs increases operational safety and anti-burglary resistance of buildings.



AMPLE NATURAL LIGHT

The basic function of the window is to provide an abundance of natural light in buildings with flat roofs. 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 of a similar size. With such solution interiors under a flat roof are full of daylight.



NON-STANDARD SIZES

In addition to standard sizes, type F windows can be manufactured in non-standard dimensions (in the range of 60x60cm - 120x220cm). Thermal insulation standards of buildings have been significantly increased and old skylights in flat roofs will not meet current requirements. The specification of a type F

window enables existing, often non-standard skylights to be replaced with ease. Taking advantage of such opportunity provides high flexibility when designing or renovating buildings.



ACCESSORIES AND CONTROL

Installing the right internal and external accessories enhances functionality and aesthetic appearance of windows in the roof. Use of an external awning blind protects the room from overheating, while internal

accessories provide protection from intense sunlight and enhance interior design.



FLAT ROOF WINDOWS TYPE F



 The D_F non-domed flat roof window is characterised by exceptional thermal insulation qualities and innovative design



 Suitable for roof pitches between 2 and 15 degrees



 Can be mounted on an additional base with a height of 15cm.



 Solar version available - powered by solar energy through the included PV panel and built-in battery.



• Secure version available



Accessories available



Available in any RAL colour

GLAZING EXPLAINED

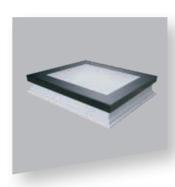


DU6 - **Triple glazed**, energy-efficient



DU8 - **Quadruple glazed**, highly energy-efficient





DXF

· Non-opening.



DMF

- Opened manually by means of ZSD control rod 2.2m long included
- Sash tilts 30cm

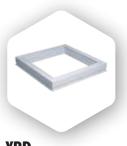


DEF

- Electrically opened with wireless Z-Wave system.
- Included in the kit: AC adaptor, rain sensor and ZRH1 remote
- Sash tilts 12cm

SOLAR VERSION AVAILABLE

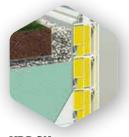
POPULAR ACCESSORIES







XRD/A



XRD/W

SIZES AVAILABLE															
windows external dimensions [cm]	60x60	60x90	70x70	80x80	90x60	90x90	90x120	100x100	100x150	120x90	120x120	120x220	140x140	150x100	200x100
effective glazing area [m²]	0,23	0,37	0,33	0,46	0,37	0,6	0,83	0,77	1,21	0,83	1,16	2,23	1,63	1,21	1,64
size symbol	01K	02K	03K	04K	31K	05K	06K	07K	10K	32K	08K	11K	09K	33K	34K
TRIPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
QUADRUPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



SPECIAL ORDER BLINDS AVAILABLE. ${\tt GET\,IN\,TOUCH\,FOR\,MORE\,INFORMATION.}$



FLAT ROOF WINDOWS TYPE G



 Our best selling range of technologically advanced flat roof windows



 Can be mounted on an additional base with a height of 15cm



● Most sizes are suitable for roof pitches between 2 and 15 degrees - sizes from 140x140 to 120x220cm require the roof pitch to be between 5-15 degrees



• Internal accessories available



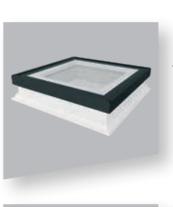
Available in any RAL colour

GLAZING EXPLAINED



P2 - **Double glazed**, toughened outer pane





DXG

· Non-opening.



DMG

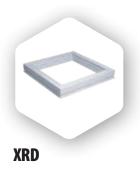
- Opened manually by means of ZSD control rod 2.2m long included
- Sash tilts 30cm



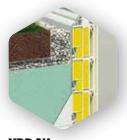
DEG

- Electrically opened with wireless Z-Wave system.
- Included in the kit: AC adaptor, rain sensor and ZRH1 remote
- Sash tilts 12cm

POPULAR ACCESSORIES





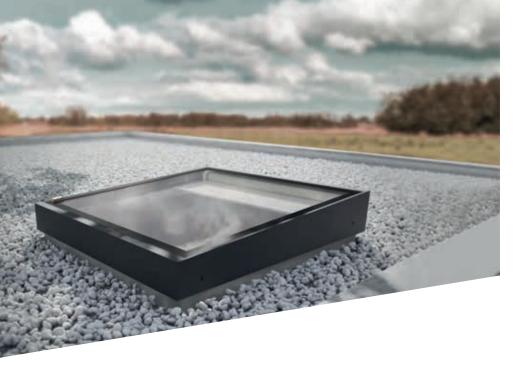


XRD/W

SIZES AVAILABLE															
windows external dimensions [cm]	60x60	60x90	70x70	80x80	90x60	90x90	90x120	100x100	100x150	120x90	120x120	120x220	140x140	150x100	200x100
effective glazing area [m²]	0,23	0,37	0,33	0,46	0,37	0,6	0,83	0,77	1,21	0,83	1,16	2,23	1,63	1,21	1,64
size symbol	01K	02K	03K	04K	31K	05K	06K	07K	10K	32K	08K	11K	09K	33K	34K
ALL	✓	✓	✓	\checkmark	✓	✓	\checkmark	✓	✓	✓	✓	\checkmark	✓	✓	✓



SPECIAL ORDER BLINDS AVAILABLE. GET IN TOUCH FOR MORE INFORMATION.



FLAT ROOF WINDOWS TYPE Z

- The type Z windows are built based on the design of the type G windows
- A specially constructed glass segment with a slope on the outer surface allows drainage of water
- The type Z flat roof window is suitable for roof pitches 0-15°
- Window design allows for the installation of internal and external accessories

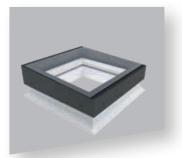
GLAZING EXPLAINED

P2 - Double glazed, toughened outer pane

SIZES AVAILABLE								
windows external dimensions [cm]	60x60	60x90	70x70	80x80	90x90	90x120	100x100	120x120
effective glazing area [m²]	0,23	0,37	0,33	0,46	0,6	0,83	0,77	1,16
size symbol	01K	02K	03K	04K	05K	06K	07K	08K
ALL	✓	✓	✓	✓	✓	✓	✓	✓



SPECIAL ORDER BLINDS AVAILABLE.
GET IN TOUCH FOR MORE INFORMATION.



D_Z -A AMZ/Z

- The D_Z-A AMZ/Z version with factory fitted AMZ/Z-Wave awning blind in 308 colour.
- High quality and parameters is characterised by high aesthetics of the glass segment performance.
- The profiles have a rounded finish and have an invisible welded connection.
- Available in versions:
- DEZ-A Electrically operated with wireless Z-Wave system, remote (ZRH12 included).
- DMZ-A Manually operated
- DXZ-A Non-opening.





DXW

- · Non-opening.
- Enhanced load capacity
- High resistance to break-in attempts thanks to reinforced design.

WALK ON FLAT ROOF WINDOWS

- The frame of the flat roof window is constructed of multi-chamber UPVC profiles filled with insulation material. The upper part of the window comes with an innovative flat glazing unit.
- The window comes with passive, double-chamber glazing unit with a U-value of 0.50 W/m²K.
- Reduced heat loss (Uw=0.70 W/m²K).

GLAZING EXPLAINED

DW6 - Triple glazed, walk-on

SIZES AVAILABLE										
windows external dimensions [cm]	60x60	60x90	70x70	80x80	90x60	90x90	90x120	100x100	120x90	120x120
effective glazing area [m²]	0,23	0,37	0,33	0,46	0,37	0,6	0,83	0,77	0,83	1,16
size symbol	01K	02K	03K	04K	31K	05K	06K	07K	32K	08K
ALL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



SPECIAL ORDER BLINDS AVAILABLE.
GET IN TOUCH FOR MORE INFORMATION.



FLAT ROOF WINDOWS TYPE C



• The type C flat roof window with a dome made of durable polycarbonate



 Can be mounted on an additional base with a height of 15cm



Suitable for roof pitches between 0 and 15 degrees



Accessories available

GLAZING EXPLAINED

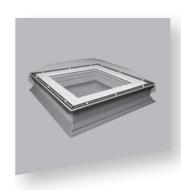


P2 - **Double glazed**, toughened outer pane



U8 - Quadruple glazed, highly energy-efficient





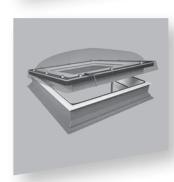
DXC

Non-opening





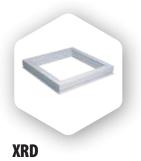
- Opened manually by means of ZSD control rod 2.2m long included
- Sash tilts 30cm



DEC

- Electrically opened with wireless Z-Wave system
- Included in the kit: AC adaptor, rain sensor and ZRH1 remote
- Sash tilts 12cm

POPULAR ACCESSORIES







SIZES AVAILABLE															
windows external dimensions [cm]	60x60	60x90	70x70	80x80	90x60	90x90	90x120	100x100	100x150	120x90	120x120	120x220	140x140	150x100	200x100
effective glazing area [m²]	0,23	0,37	0,33	0,46	0,37	0,6	0,83	0,77	1,21	0,83	1,16	2,23	1,63	1,21	1,64
size symbol	01K	02K	03K	04K	31K	05K	06K	07K	10K	32K	08K	11K	09K	33K	34K
DOUBLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
QUADRUPLE GLAZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓



SPECIAL ORDER BLINDS AVAILABLE.
GET IN TOUCH FOR MORE INFORMATION.





DSF

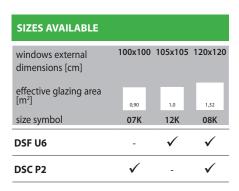
• Smoke ventilation flat roof window

SMOKE VENTILATION FLAT ROOF WINDOWS

- DSF, DSC smoke ventilation flat roof windows are used for extraction of smoke and heat emitted in a building during a fire. This is a perfect solution for stairwells where under normal operating conditions this window serves the purpose of room ventilation and lighting
- FAKRO smoke ventilation windows combine the standard function of a roof window with that of automatic smoke evacuation in a single product
- Suitable for roof pitches between 0° and 15°. When installing, windows must be level

GLAZING EXPLAINED

- **U6 Triple glazed**, highly energy-efficient
- P2 Double glazed, toughened outer pane





DSC

- Smoke ventilation flat roof window with a dome made of durable polycarbonate.
 The window is offered in two versions:
- DSG-C2 P2 with 2 actuators to raise the sash
- DSG-C4 P2 with 4 actuators to raise the sash



FLAT ROOF ACCESS

- Provide safe and convenient access to the flat roof
- Special hinges and a functional method of operation enables the sash to be opened to 80° degrees for 90x90 & 100x100 sizes, 60° degrees for 90x120 & 120x120 sizes
- Application of anti-slip covers on profiles window allows its installation, e.g. in green or living roofs
- Gas springs facilitate operation of the sash and keep it stable in the open position, thus protecting against accidental closing

GLAZING EXPLAINED

- **U6** Triple glazed, highly energy-efficient
- P2 Double glazed, toughened outer pane

SIZES AVAILABLE				
windows external dimensions [cm]	90x90	90x120	100x100	120x120
effective glazing area [m²]	0,6	0,83	0,77	1,16
size symbol	05K	06K	07K	08K
ALL	✓	✓	✓	✓



DRF

- Flat access roof light without a dome
- DRF goes with ZBR lock
- The type F flat access roof light is suitable for roof pitches between 2° and 15°



DRG

- Flat access roof light without a dome
- DRG goes with ZBR lock and is compatible with ZBL/D, XRD/W
- Is suitable for roof pitches between 2° and 15°



DRC

- Flat access roof light with a dome.
 The dome can be transparent (DRC-C) or opaque (DEC-M).
- The type C flat access roof light is s uitable for roof pitches between 0° and 15°.





DRL

• Sizes of the roof access door are adjusted according to the size of LML loft ladder (loft ladders are sold separately - see Loft Ladder Catalogue).

FLAT ROOF ACCESS DOOR

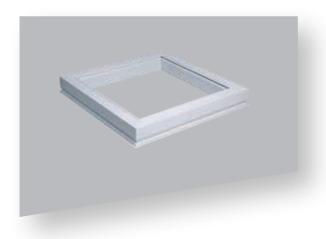
- The DRL roof access door is an innovative product, providing safe and comfortable access to the flat roof. Its structural durability and range of sizes provide the perfect combination with a loft ladder
- Insulated sash equipped with a rubber seal ensures perfect thermal insulation performance
- The sash can be opened up to 60°. Gas springs facilitate opening and closing and the sash can be left in open position



LML

SIZES AVAILABLE						
windows external	60x120	70x120	70x130	70x140	86x130	92x130
DRL	✓	✓	✓	✓	✓	✓
LML	✓	✓	✓	✓	✓	✓

ACCESSORIES



Installation base **XRD**

- The XRD installation base is designed for flat roof windows type C, G, F and type Z... It allows you to raise the window above the flat roof by an additional 15cm
- Reduces the time it takes to install a window on a flat roof with an upstand which can raise a window up if required (e.g. green or gravel roofs)
- The profile of the XRD installation base is made of recycled material (grey colour) and is eco-friendly.
- The profile is filled with insulation material (polystyrene) to ensure a high standard of insulation



Awning blind AMZ/F Solar

- For type F and G roof windows
- Comfortable, automatic operation of the blind (intelligent system controls the awning blind depending on the insolation level). Photovoltaic panel acts a sensor and reacts to solar radiation. High insolation levels trigger the awning blind to unroll automatically. In cloudy weather, the awning blind rolls back up automatically without any user intervention
- Powered by a solar battery pack.
 - Automatic operation or remote control (remote control is not included)



Awning blind AMZ/CZ-Wave

- For type C, F and G roof windows
- Opened with wireless Z-Wave system
- Innovative profile system enables installation of the awning blind under the window's dome
- Powered from the mains. Control:
 - Remote control or wall switch



Blackout blinds **ARF/D**

- Very good protection from sunlight
- The possibility of darkening the room
- Possibility to lock the blind in any position
- Partial protection from solar heat



PITCHED ROOF LIGHT TUNNELS

- The light tunnel enables illumination of all rooms in the building, even those which cannot be fitted with roof windows or vertical windows
- Using light tunnels in rooms devoid of daylight lets natural light inside for better illumination. In other rooms, the light tunnel can constitute an additional light source, enhancing the user's comfort and saving energy

SF SIZES AVAILAB	LE	
light tunnel diameter [cm] tube length [cm]	35 210	55 210
ALL	✓	✓

light tunnel diameter [cm]	35	55
SLM 30 Flexible light transmitting tube extension kit, standard length 30cm	✓	✓
SLM 60 Flexible light transmitting tube extension kit, standard length 60cm	✓	✓
SLM 90 Flexible light transmitting tube extension kit, standard length 90cm	\checkmark	\checkmark
SLM 120 Flexible light transmitting tube extension kit, standard length 120cm	✓	✓
SLM 210 Flexible light transmitting tube extension kit, standard length 210cm	✓	✓
SLO Light Kit	✓	✓



light tunnel diameter [cm]	35	55
SRM 61 Rigid light transmitting tube extension element, standard length 61cm	✓	✓
SRK Elbow	\checkmark	\checkmark
SLO Light Kit	✓	✓



SF_

LIGHT TUNNELS WITH FLEXIBLE TUBE

 Equipped with integrated flashing.
 Three types of flashings are available: for flat, corrugated and high profile roof coverings.



SR

LIGHT TUNNELS WITH RIGID TUBE

 Equipped with integrated flashing.
 Three types of flashings are available: for flat, corrugated and high profile roof coverings.





FLAT ROOF LIGHT TUNNELS

- Flat roof light tunnels make it possible to illuminate all rooms under flat roofs with natural light
- A great addition due to its design of the type C flat roof window with a dome that ensures high durability and tightness
- Base of the light tunnel is filled inside with insulation material to secure excellent thermal insulation performance
- Installation of light tunnels allows daylight to rooms under flat roofs

SIZES AVAILABLE		
light tunnel diameter [cm]	35	55
tube length [cm]	210	210
SFF	✓	✓
SRF	√	√



SPECIAL ACCESSORIES AVAILABLE.
GET IN TOUCH FOR MORE INFORMATION.



SFF

LIGHT TUNNELS WITH FLEXIBLE TUBE

 A skylight with a flexible lighttransmitting tube that allows you to bypass potential structural obstacles.
 The length of the tube is 210 cm.



SRF

LIGHT TUNNELS WITH RIGID TUBE

- The light tunnel with the rigid light transmitting tube with a length of 61cm.
- The tube can be extended using a special SRM extension kit.

ROOF WINDOW PERFORMANCE AT A GLANCE

Centre pivot roof windows are still the most popular design, with a wide variety of options including highly energy-efficient windows suited to airtight construction, burglar-resistant windows (particularly suited to low pitch roofs and multioccupancy buildings). All can be rotated through 180° to clean the outer pane from within the room. A choice of natural pine, white acrylic, white PU-coated pine and UPVC is available.

STANDARD ROOF WINDOWS

type				CE	ENTRE PIVOT				TC	OP HUNG AND F	PIVOT WINDOW	IS	
material	W0	od	PV	/C	WO		WO	od	wood		Py	PVC	
natural pine	FTP-V P2	FTP-V P5	_	_	FTP-V P2 Z-wave, Solar, WiFi	FTP-V P5 i Z-wave, Solar, WiFi	FTT U8 Thermo	FTT U6	FPP-V P2 preSelectMAX	FPP-V P5 preSelectMAX	-	-	
white acrylic	FTW-V P2	FTW-V P5	_	_	FTW-V P2 Z-wave, Solar, WiFi	FTW-V P5 Z-wave, Solar, WiFi	FTT/W U8 Thermo	FTT/W U6	FPW-VP2 preSelectMAX	FPW-V P5 preSelectMAX	-	-	
white polyurethane	FTU-V P2	FTU-V P5	_	_	FTU-V P2 Z-wave, Solar, WiFi	FTU-V P5 Z-wave, Solar, WiFi	FTT/U U8 Thermo	FTT/U U6	FPU-V P2 preSelectMAX	FPU-V P5 preSelectMAX	-	-	
UPVC	_	_	PTP-V P2	PTP-V P5	_	_	_	_	_	_	PPP-V P2 preSelectMAX	PPP-V P5 preSelectMAX	
conservation version:	+	+	+	+	+	+	+	+	+	+	+	+	
air inlet	<u>V40</u>	<u>8</u> P	V3	35	<u>V4</u>	1 <u>©</u> P	non-ve	ented	<u>V40</u>	<u>&P</u>	V	/35	
air inlet air flow	up to 49	9 m³/h	up to 41	1 m³/h	up to 4	49 m³/h			up to 49	9 m³/h	up to 4	41 m³/h	
glazing	double	triple	double	triple	double	triple	quadruple	triple	double	triple	double	triple	
Ug (EN 673)	1,0 W/m ² K	0,5 W/m ² K	1.0 W/m ² K	0.5 W/m ² K	1,0 W/m ² K	0,5 W/m ² K	0.3 W/m ² K	0.5 W/m ² K	1,0 W/m ² K	0,5 W/m ² K	1.0 W/m ² K	0.5 W/m ² K	
Uw	1,3 W/m ² K	0,97 W/m ² K	1.3 W/m ² K	1.0 W/m ² K	1,3 W/m ² K	0,97 W/m ² K	0.58 W/m ² K	0.80 W/m ² K	1,3 W/m ² K	0,97 W/m ² K	1.3 W/m ² K	1.0 W/m ² K	
topSafe system	+	-	+	F	4	+	4	+	+	f	7	+	
acoustic insulation	35 dB	35 dB	33 dB	36 dB	35 dB	35 dB	36 dB	38 dB	35 dB	35 dB	33 dB	36 dB	
handle	eleg	jant	elegant	t white	eleç	gant	eleç	gant	eleg	jant	elegan	nt white	
seals	4	ŀ	4	ł	1	4	Ę	5	4	į.	4	4	
installation pitch	15-9	90°	15-9	90°	15-/	-90°	15-7	70°	15-5	55°	15-	-55°	

GLAZING UNIT

GLAZING UNIT	U3	P2	P5	U6	U8	R1
GLAZING STRUCTURE	4H-16-4T	4H-15-33.2T	4HS-10-4HT-8-33.2T	6H-18-4HT-18-33.2T	4H-12-4HT-12-4HT- 12-4HT	6H-12-33.2SIT
TECHNICAL SPECIFICATION	ENERGY SAVING	ANTIBURGLARY	SAFE	HIGHLY ENERGY EF- FICIENT	PASSIVE GLAZING	SOUND REDUCING
GLAZING	DOUBLE	DOUBLE	TRIPLE	TRIPLE	QUADRUPLE	DOUBLE
INNER LAMINATED GLASS		(CLASS P2A)	(CLASS P2A)	(CLASS P2A)		(CLASS P2A)

Top hung and pivot dual function

roof windows provides total flexibility of use. When open, the top hung function provides an unrestricted field of view at a lower height than a centre pivot window while centre pivot operation enables the sash to be rotated through 180° to clean the outer pane from within the room. A choice of natural pine, white PU-coated pine and UPVC is available.

High pivot roof windows function in the same way as a centre pivot window but with the axis of rotation slightly higher in the frame to enable even taller people to walk up to the open window. This enables a greater glazing height to be achieved without adding to the window's width. With scope also to choose a twin sash window in a single frame (the FDY-V proSky Duet window), this can extend up to 2.35 metres

- **The Balcony window** is the ultimate, modern twin sash window. With the top sash opening as a top hung window, the bottom sash with laminated internal glazing opens from the bottom to reveal built-in balustrades.
- **L-shaped windows** provide scope to take any of FAKRO's standard roof windows into a vertical wall. This gives a much extended field of view and a bigger glazing area which maximises the use of natural daylight.

HIGH PIVOT		BALO	CONY	L-SH.	APED		NTILATION DOW	SIDE HUNG				
Thousand the second sec		T T T T T T T T T T T T T T T T T T T					E S	T.		Rys moon		
WO	ood	wood	WC	ood	WO	od	WO	ood	WO	od	PV	/C
FYP-V P2 proSky	FYP-V P5 proSky	FDY-V P2 Duet proSky	FGH-V P2 Galeria	FGH-V P5 Galeria	BD_P2, BVPP2,BXPP2	BD_P5, BVPP5,BXPP5	FSRP2	FSRP5	FWP P2	FWP P5	_	_
FYW-V P2 proSky	FYW-V P5 proSky		FGH-V/W P2 Galeria	FGH-V/W P5 Galeria	BD_/WP2, BVWP2,BXWP2	BD_/WP5, BVWP5,BXWP5	FSR/WP2	FSR/WP5	FWW P2	FWW P5	_	_
FYU-V P2 proSky	FYU-V P5 proSky	FDY-V/UP2 Duet proSky	FGH-V/U P2 Galeria	FGH-V/U P5 Galeria	BD_/UP2, BVUP2,BXUP2	BD_/UP5, BVUP5,BXUP5	FSR/UP2	FSR/UP5	FWU P2	FWU P5	_	_
_	_	_	_	_	+	+	_	_	_	_	PWP P2	PWP P5
+	+	+	_	_	_	_	_	_	+	+	+	+
<u>V4</u>	⊗ P	V4@P	<u>V4</u>	OP	-	_	_	_	-	_	_	
up to 4	9 m³/h	up to 49 m ³ /h	up to 4	9 m³/h			_					
double	triple	double	double	triple	double	triple	double	triple	double	triple	double	triple
1,0 W/m ² K	0,5 W/m ² K	1.0 W/m ² K	1.1 W/m ² K	0.5 W/m ² K	1.1 W/m ² K	0.5 W/m ² K	1.1 W/m ² K	0.5 W/m ² K	1.0 W/m ² K	0.5 W/m ² K	1.0 W/m ² K	0.5 W/m ² K
1,3 W/m ² K	0,97 W/m ² K	1.3 W/m ² K	1.5 W/m ² K	1.1 W/m ² K	1.3 W/m ² K	0.88 W/m ² K	_	_	1.3 W/m ² K	1.1 W/m ² K	1.3 W/m ² K	1.1 W/m ² K
+		+	4	-	_	_	-	_	-	_	-	_
35 dB	33 dB	35 dB	35 dB	34 dB	37 dB	38 dB	_	_	35 dB			
elegant		elegant	eleg	gant	eleg	jant	-	_	stan	dard	stan	dard
2	1	4	2	1	2	2		2	2	1		1
20-	65°	25-65°	35-55°	40-55°	90)°	15-	90°	15-	55°	15-	55°

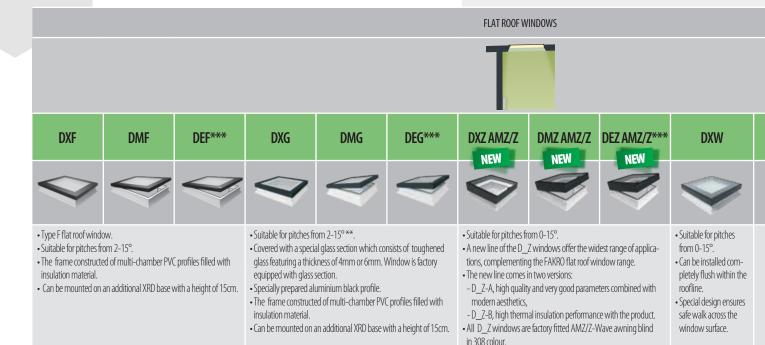
FLAT ROOF WINDOW PERFORMANCE AT A GLANCE

Flat roof windows - The special structure of FAKRO flat roof windows provides excellent thermal insulation. The FAKRO product range includes flat roof windows with or without domes (type **F**, type **G**, type **Z** and type **C**) and walkable window **DXW**.

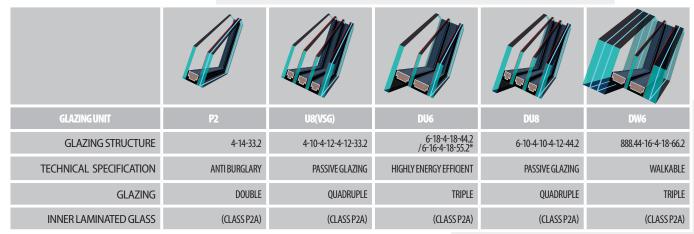
Smoke and heat exhaust ventilation flat roof windows DSF, DSC smoke ventilation flat roof windows are used for extraction of smoke and heat emitted in a building during a fire

Flat roof access windows: Insulated DRF, DRC access roof lights are yet another one of FAKRO's innovative products. The range is expanding and creating solutions which provide safe and convenient access to the roof.

STANDARD FLAT ROOF WINDOWS



GLAZING UNIT



^{*} THE STRUCTURE OF THE GLAZING UNIT FOR SIZE 120x120 AND LARGER

^{**}MINIMUM ROOF PITCH OF 5 DEGREES ON THE G-RANGE IN SIZES 140X140 AND 120X 220 SUITS A ROOF PITCH OF 5-15

^{***}DOES NOT INCLUDE REMOTE CONTROL

Escape - the **DRL** roof access door is an innovative product providing safe and comfortable access to the flat roof. Its structural durability and range of sizes provide the perfect combination with a loft ladder.

				SMOKE AND HEAT EXHAUST VENTILA- TION FLAT ROOF WINDOWS FLAT ROOF			FROOF ACCESS WIND	OWS	ESCAPE	
			7							
	DXC	DMC	DEC***	DSF	DSC	DRF	DRC	DRG	DRL	
				W.	3			₿.		
	 Suitable for pitches from 0-15°, Dome made of durable polycarbonate in a transparent or an opaque version. Can be mounted on an additional XRD base with a height of 15cm. 			Suitable for roof pitches between 0° and 15°. When installing, windows must be level. The frame constructed of multi-chamber PVC profiles filled with insulation material. The sash raises easily to a height of 23cm when used for everyday ventilation. In the event of fire the sash raises to 50cm.		 Suitable for pitches from 2-15°, Easy and convenient operation thanks to gas springs. Sash opened to 80° (90x120 and 120x120 opened to 60°) Can be mounted on an additional XRD/W base with a height of 15cm (e.g. for installation in green roofs). 			Suitable for pitches from 0-5°, Designed to be installed together with FAKRO loft ladders LML type (comprehensive solution providing convenient access to the flat roof). Easy and convenient operation thanks to gas springs. Sash opened to 60°.	



LOFT LADDERS

FOLDING LOFT LADDERS enable safe and easy access to loft spaces without the need for costly and space-consuming staircases. FAKRO ladders satisfy all technical and safety requirements whilst maximising ease of use and comfort.

FAKRO offers a choice of wood and metal loft ladders to satisfy the needs of each individual customer and home. All FAKRO folding ladders offer a high degree of thermal efficiency.

All loft ladders compliant with EN 14975.

LOFT LADDER TYPE	LWK Komfort	LTK Energy	LWF 60	LMF 120	LST
	U-1.1 W/m²K	U-0.68 W/m²K	EN 13:01:2 EI, 60 U=0.64° W/m²K	U=0.79 W/m²K	U=1.1 W/m²K
Room height [cm]		280, 305	280, 305	250-280	
Box		pinewood	metal	pinewood	
Hatch	thermo-insulating	extra thermo-insulating	fire-resistant	fire-resistant	thermo-insulating
Hatch colour	white	white	white	white	white
Ladder		pinewood		metal	metal
Treads	nor	n-slip treads set flush with ladder str	ings	metal, anti-slip	metal, anti-slip
Thermal insulation thickness	3 cm	6 cm	7.9 cm	8cm	3 cm
Hatch thickness	3.6 cm	6.6 cm	8.5 cm	8.2 cm	3.6 cm
Maximum loading	160 kg	160 kg	160 kg	200 kg	200 kg

^{*}MANUFACTURER'S INTERNAL RESEARCH.





L-SHAPED COMBINATION DOORS

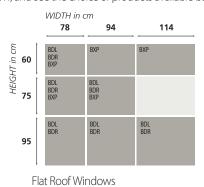
In addition to having a wide range of loft ladders FAKRO also manufacture combination loft doors for installation in walls. These are used to provide access to unused space behind a wall or under stairs. Three models are available, the first and most basic model, the $\bf DWK$ insulating door having a 3.6cm thick sash. For added thermal efficiency and airtightness the $\bf DWT$ provides a U-value of 0.6 and offers Class 4: EN 12207 performance. Where fire resistance is required, the $\bf DWF$ offers double-sided protection (fire classification El_145 EN 13501-2), as well as exceptional airtightness and thermal insulation.

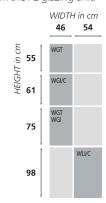
	U= 1.1 W/m²K	U= W/	0.6 U= 0.64 W/m²K						
DOOR TYPE	DWK	DWT	DWF						
			4 % EN12207 EN 135012 E1, 45						
	INSULATED	HIGHLY ENERGY EFFICIE	ENT FIRE-RESISTANT						
Sash structure	Frame made of pinewood clad or	n both sides with HDF board a	nd filled inside with insulation material						
Sash colour		white							
Opening		right or left side							
Closing	universal handle with a lock								
Finishing trims	3.	5 cm wide wooden in a natura	al colour						
Thermal insulation thickness	3 cm		6 cm						
Sash thickness	3.6 cm	3.6 cm 6.6 cm							

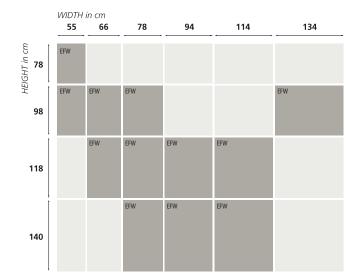
WINDOW SIZE GUIDE

Simply check the height and width dimensions for your chosen window, and see the choice of products available based on the P2 glazing unit.

	WIDTH 55	in cm 66	78	94	114	134
ш. 60	1		FNP*	FNP*	FNP*	FNP*
## 60 78 78 78	FTP-V PTP	FWR FWL FTP-V PTP-V PTP	FNP/D * FTP-V PTP-V PTP	FNP/D* FTP-V PTP-V PTP	FNP/D* FTP-V PTP-V PTP	FNP/D* FTP-V PTP-V PTP
98	FTP-V FPP-V PTP PPP-V	FTP-V FPP-V PTP PPP-V FWR FWL	FTP-V FPP-V PTP PPP-V FWR FWL	FWL	FTP-V PTP-V PTP	FTP-V FPP-V
118	FTP-V FPP-V PTP PPP-V	FTP-V FPP-V PTP PPP-V FWR FWL	FTP-V FPP-V PTP PPP-V FWR FWL	FTP-V FPP-V PTP PPP-V FWR FWL	FTP-V FPP-V PTP FSP FWR FWL	FTP-V PTP-V PTP
140	FTP-V FPP-V PTP PPP-V	FTP-V FPP-V PTP PPP-V	FTP-V FPP-V PTP PPP-V FYP-V FHP FWR FWL	FTP-V FPP-V PTP PPP-V FYP-V FHP FWR FWL	FTP-V FPP-V PPP-V FSP	
160			FYP-V FTP-V PTP-V PTP FPP-V	FYP-V FTP-V PTP-V** PTP **		
180			FYP-V	FYP-V		
186			FDY-V	FDY-V		
206			FDY-V FYP-V	FDY-V FYP-V		
235			FDY-V ***	FDY-V ***		
255			FDY-V ***	FDY-V *** FGH-V P2		







FAKRO Light Tunnels

FAKRO Light Tunnels are available with either flexible or rigid ducting. Either product may also be purchased with an abutment accessory for fitting on flat roofs.



Conservation Roof Windows

FAKRO supplies the widest range of products and sizes in conservation style. See each section in the price list for full details.



NOTE: THE SIZES NOT STATED IN THE PRICE LIST AVAILABLE TO INDIVIDUAL ORDERS. PRICES ON REQUEST.

- * NON-OPENING WINDOWS, PRICES ON REQUEST

 ** PTP-V P2, PTP P2 RECOMMENDED FOR THE ROOFS
 WITH PITCH FROM 25 DEGREE

 *** AVAILABLE TO INDIVIDUAL ORDERS. PRICES ON REQUEST







Fakro GB Ltd

Fakro House
Astron Business Park
Hearthcote Road
Swadlincote DE11 9DW
one: 01283 554755 fax: 01283 22

telephone: 01283 554755 fax: 01283 224545 www.fakro.co.uk e-mail: sales@fakrogb.com