



ROOF WINDOWS

PRODUCT SELECTOR AND PRICE LIST

MAY 2013





Changing Your View

The part which roof windows play in attic rooms has massively influenced the way we look at interior design. Whether for a home or a commercial project, our huge choice of roof windows can be used in a range of different ways. Our close-grain redwood pine will look sensational for years while our sleek, stylish frames provide a bigger glazing area to let in more light. With all these benefits and more it's not hard to see why FAKRO roof windows become a focal point in their own right and

prompt such consistently positive comment.

For those of you looking to achieve the highest levels of performance in relation to the Code for Sustainable Homes, BREEAM, Passive House or 'EnerPHit' our triple and quadruple-glazed non-vented FTT range offers an exceptional standard of performance. At the heart of all our products FAKRO provide a high level of security, highly resilient hinges and seals, and a standard of timber treatment which we

believe is second to none. FAKRO uses responsibly sourced timber and as well as natural pine, you can opt for white PU-coated pine or PVC products, all of which are available in conservation style. BBA and FSC certified products together with warranties of 10 years for windows and 20 years for glazing give you peace of mind that the name FAKRO is synonymous with quality.



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WHAT MAKES A FAKRO ROOF WINDOW BETTER?

FAKRO roof windows are designed to provide a focal point for any room whether you use them individually or in combinations. Their stylish appearance is matched by the highest standard of manufacturing and finishing which means you can rest assured they will go on looking good for years to come. Our windows offer a perfect combination of style, sustainability, security and long design life. To achieve such high performance involves ongoing refinement and improvement to every roof window that we design.



1

Bigger glazing area and more light

The design of Fakro roof windows enables more light to be brought to any room. By placing the air inlet at the top of the frame, FAKRO roof windows provide a glazing area up to 10% bigger than competitors' products of the same size, in which the ventilation flap has been fitted in the sash. The operating handle in the base of the sash is always more convenient for the user.

2

Timber quality

The redwood 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. Our double vacuum process using water-borne preservatives provides lasting dimensional stability and all windows are finished with three coats of environmentally friendly lacquer. Compare this with another leading manufacturer which states - "The timber has received basic treatment and a finished coating at the factory. It must receive further treatment at least every four years and whenever required. Windows exposed to strong heat, strong sunlight and/or high levels of humidity (e.g. in kitchens or bathrooms) must however receive treatment at least every two years". We therefore actively encourage customers to compare our window finishing with that of other manufacturers.

3

Windows for bathrooms, wetrooms and kitchens

FAKRO offers two types of roof window for rooms in which high levels of humidity are created. You have the choice of either white polyurethane-coated pine or PVC in white, golden oak and pine finishes. So, whether you want to match existing windows and doors or have a smooth timber finish in white, FAKRO has the perfect solution. FAKRO PVC veneers also achieve the highest level of measurable performance - Class A - EN12608.

4

Automatic air ventilation in all windows

Many manufacturers use a standard manually operated vent which is inefficient, causing unnecessary heat loss. The FAKRO V40P automatic vent which is installed in FAKRO pine roof windows is activated by changes in atmospheric pressure. It provides the optimum balance of fresh air regardless of weather conditions.

5

Exceptional security

FAKRO's TopSafe® system provides peace of mind that our roof windows offer exceptional burglary resistance. In contrast to products which break simply by applying foot pressure, TopSafe provides additional hinge and lock reinforcement to prevent the sash from being forced. An EU Standard (EN13049) now means you can compare roof window security and all FAKRO products achieve a minimum of Class 3. FAKRO also manufactures a standard centre pivot window, the FTP-V P2 Secure, which has security glazing.

6

The highest level of energy saving performance

What really sets FAKRO windows apart is their low level of heat loss. Unlike some manufacturers who provide U-values just for glazing units, FAKRO provides information for the whole window. When comparing our performance with other products you will see how our non-vented, quadruple-glazed FTT U8 Thermo, with a U-value of 0.58 W/m²K, leads the market. Our standard FTP-V centre pivot windows also offer a level of performance which competing windows invariably fail to match.

7

Warm glazing spacers

Many roof windows use metallic spacers to separate panes and these can encourage condensation to form by forming a cold 'bridge' between them. By contrast, FAKRO uses only warm spacers in order to ensure that this otherwise common problem does not affect our products.

8

Ease of installation

Our easy to use "bracket fix" installation system enables windows to be fitted either to rafters or battens. Windows can also be fitted onto sarking.

9

Performance Guarantees

Whether buying natural pine, PU-coated pine or PVC FAKRO offers a 10-year warranty for all windows and a 20 year warranty on glazing units. We also offer a no quibble lifetime warranty against damage by hail stones.

10 year
warranty
for window

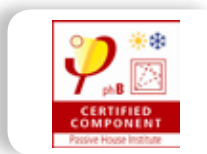
20 year
warranty
for glazing unit

∞ Lifetime
glazing unit hail
resistance warranty

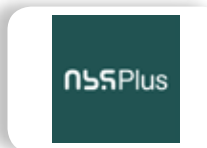
We are sure of the **QUALITY** that's why we offer a long-term warranty



PRODUCT QUALITY AND CERTIFICATION



One of the key factors differentiating manufacturers from one another is certification of products. At FAKRO we continually look for ways to innovate and improve our designs, not just with new roof windows but existing ones. In 2012 this yet again enabled us to set an industry standard as we achieved Passive House certification of our industry leading quadruple-glazed FTT U8 Thermo. The FTT U8 offers an amazing U-value of 0.58 W/m²K and provides the ideal solution for airtight designs.



NBS Plus - FAKRO specification clauses are available via NBS Plus. This enables concise, technically accurate and up-to-date information in relation to our extensive range of roof windows and roofing accessories to be copied and pasted



In the same way, we led the market by becoming the first roof window manufacturer to secure BBA certification - as long ago as 2002. Today, many more of our products are accredited including our popular ranges of centre pivot, top hung and pivot and side hung windows. This includes products in conservation style and the highly thermally efficient FTT U6 triple-glazed window while, for specifiers and buyers in Ireland we also have Irish Agrément Board (IAB) certification.



The NHBC accepts the use of Fakro Roof Windows, when installed and used in accordance with BBA certificates in relation to NHBC Standards.



Our roof windows offer scope for you to buy or specify products using timber from sustainable sources; indeed we are the only such manufacturer to offer FSC certification for the higher quality, close-grain redwood pine which we use. We also design all windows to be stripped down for recycling of all parts which, combined with the use of sustainable timber, shows the extent of our commitment to environmental issues.



TÜV SÜD accreditation is currently less well known in the UK but in 2011 UKAS appointed it as a Notified Organisation for construction products. TÜV SÜD partners manufacturers of all kinds of building materials to ensure that quality, safety and environmental sustainability requirements are met. By securing accreditation, FAKRO has once again been among the first to confirm its commitment to key quality standards.



CE marking provides a passport that enables a construction product, irrespective of its origin, to be legally placed on the market of all EU member states. Unlike some manufacturers, FAKRO declares full details of performance for all points which make up a CE mark, yet more evidence that our products exceed minimum standards for health, safety and economy of energy.



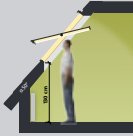
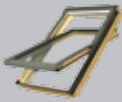
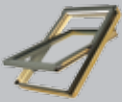
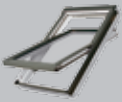


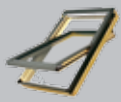
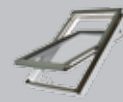
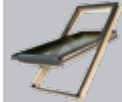
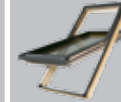
ROOF WINDOWS

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 multi-occupancy buildings). All can be rotated through 180° to clean the outer pane from within the room. A choice of natural pine, white PU-coated pine and PVC is available.

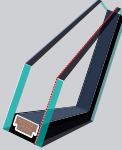
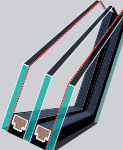
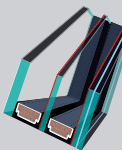
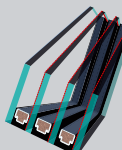
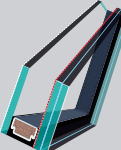
Top hung and pivot dual function roof windows provides total flexibility of use. When open, the top hung function provides an unrestricted field of view at a lower height than a centre pivot window while centre pivot operation enables the sash to be rotated through 180° to clean the outer pane from within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

STANDARD ROOF WINDOWS

ROOF WINDOWS									
type	CENTRE PIVOT								
									
symbol:	FTP-V U3	FTP-V U5	FTU-V U3	PTP-V U3	PTP U3	FTP-V U3 Electro	FTU-V U3 Electro	FTT U6	FTT U8 Thermo
view									
material	wood	wood	wood (white)	PVC	PVC	wood	wood	wood	wood
air inlet	V40P	V40P	V40P	V35	non-vented	V40P	V40P	non-vented	non-vented
air inlet air flow	up to 49 m³/h	up to 49 m³/h	up to 49 m³/h	up to 41 m³/h	—	up to 49 m³/h	up to 49 m³/h	—	—
glazing	double	triple	double	double	double	double	double	triple	quadruple
U _g (wg EN 673)	1.1 W/m²K	0.5 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	0.5 W/m²K	0.3 W/m²K
U _w	1.3W/m²K	0.97W/m²K	1.3W/m²K	1.3W/m²K	1.3W/m²K	1.3W/m²K	1.3W/m²K	0.81W/m²K	0.58W/m²K
acoustic insulation R _w :	32dB	33dB	32dB	31 dB	33 dB	32dB	32dB	38dB	36dB
seals	4	4	4	4	4	4	4	5	5
installation pitch	15-90°	15-90°	15-90°	15-90°	15-90°	15-90°	15-90°	15-70°	15-70°

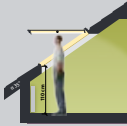
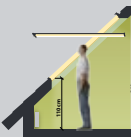



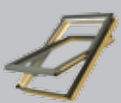
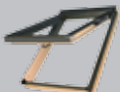


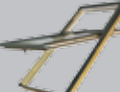




GLAZING UNIT

					
GLAZING UNIT	U3	U5	U6	U8	L3
TECHNICAL SPECIFICATION	ENERGY SAVING	HIGHLY ENERGY EFFICIENT	HIGHLY ENERGY EFFICIENT	PASSIVE GLAZING	SAFE
GLAZING	DOUBLE	TRIPLE	TRIPLE	QUADRUPLE	DOUBLE
INNER LAMINATED GLASS			✓ (Class P2A)		✓
EASY MAINTENANCE LAYER					✓

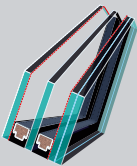
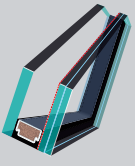
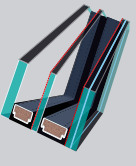
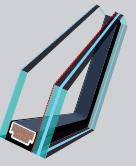
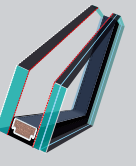
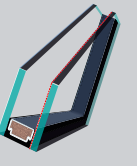
The **Balcony window** is the ultimate, modern twin sash window. With the top sash opening as a top hung window, the bottom sash with laminated internal glazing opens from the bottom to reveal built-in balustrades.

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.

Conservation roof windows are designed to meet planning requirements in conservation areas or for the sensitive development of older buildings. In addition to all our standard windows being available in conservation style, bespoke commissions are routinely undertaken.

TOP HUNG AND PIVOT WINDOWS				HIGH PIVOT		BALCONY	L-SHAPED	SIDE HUNG
								
FTP-V P2 Secure	FPP-V U3 preSelect	FPU-V U3 preSelect	PPP-V U3 preSelect	FYP-V U3 proSky	FDY-V U3 Duet proSky	FGH-V P2 Galeria	BDL L3 BDR L3 BVP L3	FWR U3 FWL U3
								
wood	wood	wood (white)	PVC	wood	wood	wood	wood	wood
V40P	V40P	V40P	V35	V40P	V40P	V40P	non-vented	non-vented
up to 49 m³/h	up to 49 m³/h	up to 49 m³/h	up to 41 m³/h	up to 49 m³/h	up to 28 m³/h	up to 28 m³/h	—	—
double	double	double	double	double	double	double	double	double
1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K	1.1 W/m²K
1.3W/m²K	1.3W/m²K	1.3W/m²K	1.3 W/m²K	1.3 W/m²K	1.3 W/m²K	1.5 W/m²K	1.3 W/m²K	1.6 W/m²K
35 dB	32dB	32dB	32dB	32 dB	32 dB	35dB	37 dB	34 dB
4	4	4	4	4	4	4	2	2
15-90°	15-55° (85°)	15-55° (85°)	15-55° (85°)	20-65°	25-65°	35-55°	roof window 15-55°	15-55°

A non-vented option can also be ordered for all windows

					
L5	R1	R3	P2	G6	O1
SAFE	SOUND REDUCING	SOUND REDUCING	ANTI-BURGLARY	SOLAR CONTROL	OBSCURE
TRIPLE	DOUBLE	TRIPLE	DOUBLE	DOUBLE	DOUBLE
✓	✓	✓	✓ (Class P2A)		
✓			✓	✓	

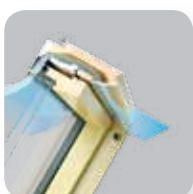


FTP-V

CENTRE PIVOT WINDOW - NATURAL PINE



- Traditional centre pivot operation
- Windows turn through 180° to clean outer pane within the room
- Suitable for retro-fitting of electronic operation
- Suitable for pitches from 15-90°
- V40P automatic air vent to prevent unnecessary heat loss
- Operating handle in the base of the sash for ease of use
- Energy saving glazing units
- TopSafe system of hinge of burglary protection as standard
- High quality close-grain vacuum - impregnated redwood pine guaranteed to be knot-free



FTP-V

- Exceptional thermal efficiency – minimum U-values from 0.97W/m²K to 1.3 W/m²K
- Also available in white PU-coated pine and PVC in 3 colours
- Achieves EN13049 Class 3
- Sash guiding system
- Condensation run-off channel
- Warm TGI spacers

CENTRE PIVOT WINDOWS													
windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
FTP-V U3	£198.00	£210.00	£218.00	£220.00	£244.00	£228.00	£258.00	£286.00	£310.00	£332.00	£342.00	£360.00	£328.00
U value of window = 1.3	U3 - Energy saving double glazed												
FTP-V U5	£330.00	£356.00	£380.00	£385.00	£400.00	£403.00	£449.00	£488.00	£505.00	£535.00	£545.00	£575.00	£555.00
U value of window = 0.97	U5 - Energy saving triple glazed												
FTP-V L3	£240.00	£252.00	£260.00	£270.00	£290.00	£274.00	£304.00	£332.00	£375.00	£394.00	£404.00	£430.00	£390.00
U value of window = 1.3	L3 - Safety double glazed												
FTP-V L5	£368.00	£380.00	£413.00	£418.00	£444.00	£428.00	£458.00	£486.00	£550.00	£582.00	£592.00	£627.00	£578.00
U value of window = 0.97	L5 - Safety triple glazed												
FTP-V G6	£320.00	£330.00	£370.00	£370.00	£390.00	£375.00	£400.00	£428.00	£455.00	£470.00	£510.00	£530.00	£505.00
U value of window = 1.2	G6 - Solar control double glazed												
FTP-V R1	£252.00	£264.00	£272.00	£305.00	£314.00	£298.00	£328.00	£356.00	£410.00	£424.00	£434.00	£460.00	£420.00
U value of window = 1.3	R1 - Sound reducing double glazed												

L3 and L5 have inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

ALL PRICES EXCLUDE VAT



FTU-V

CENTRE PIVOT WINDOW – WHITE PU-COATED PINE



- Ideal for bathrooms, wetrooms, kitchens and environments with increased humidity
- Windows turn through 180° to clean outer pane from within the room
- Operating handle in the base of the sash for ease of use
- Energy saving glazing units including U3 as standard (U-value 1.1 W/m²K)
- Suitable for pitches from 15° - 90°
- Suitable for electronic control
- Topsafe® system of hinge of burglary protection as standard



FTU-V

- V40P automatic air vent
- Exceptional thermal efficiency - minimum U-value 1.3 W/m²K
- High quality, close grain vacuum impregnated redwood pine with a triple coating of white polyurethane for a smooth, wipe clean finish
- Available in conservation style

CENTRE PIVOT WINDOWS													
windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
FTU-V U3	£238.00	£252.00	£262.00	£266.00	£292.00	£274.00	£310.00	£342.00	£370.00	£400.00	£410.00	£440.00	£394.00
U value of window = 1.3	U3 - Energy saving double glazed												
FTU-V L3	£280.00	£294.00	£304.00	£328.00	£338.00	£320.00	£356.00	£388.00	£440.00	£462.00	£472.00	£500.00	£456.00
U value of window = 1.3	L3 - Safety double glazed												
FTU-V L5	£408.00	£422.00	£455.00	£460.00	£492.00	£474.00	£510.00	£542.00	£600.00	£650.00	£660.00	£700.00	£665.00
U value of window = 0.97	L5 - Safety triple glazed												
FTU-V O1*	£280.00	£294.00	£304.00	£305.00	£338.00	£320.00	£356.00	£388.00	£405.00	£462.00	£472.00	£485.00	£456.00
U value of window = 1.3	O1 - Obscure double glazed												

*window with the obscure glass

L3 and L5 have inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

ALL PRICES EXCLUDE VAT



PTP-V
PTP

CENTRE PIVOT WINDOW – PVC

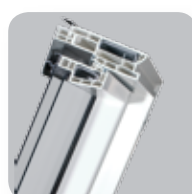


- Ideal for bathrooms, wetrooms, kitchens and environments with increased humidity
- Available in White, Golden Oak or Natural Pine veneer finishes
- Windows turn through 180° to clean outer pane from within the room
- Operating handle in the base of the sash for ease of use
- Energy saving glazing units including U3 as standard (U-value 1.1 W/m²K)
- Suitable for pitches from 15° - 90°
- Suitable for electronic control
- Topsafe® system of hinge of burglary protection as standard



PTP-V
vented PVC
centre pivot window

- V35 air inlet
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- PVC profile with steel reinforcement for a smooth, wipe clean finish
- Available in conservation style



PTP
vent-free PVC
centre pivot window

- Vent-free
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- PVC profile with steel reinforcement for a smooth, wipe clean finish
- Available in conservation style

CENTRE PIVOT WINDOWS

windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
PTP-V U3	£253.00	£271.00	£277.00	£283.00	£295.00	£297.00	£322.00	£370.00	£373.00	£390.00	£417.00	£448.00	£418.00
U value of window = 1.3	U3 - Energy saving double glazed												
PTP-V L3	£277.00	£298.00	£304.00	£310.00	£324.00	£327.00	£354.00	£405.00	£409.00	£429.00	£459.00	£494.00	£459.00
U value of window = 1.3	L3 - Safety double glazed												
PTP U3	£247.00	£262.00	£268.00	£274.00	£286.00	£289.00	£313.00	£358.00	£363.00	£379.00	£406.00	£435.00	£406.00
U value of window = 1.3	U3 - Energy saving double glazed												
PTP L3	£270.00	£289.00	£295.00	£301.00	£313.00	£315.00	£343.00	£393.00	£396.00	£416.00	£443.00	£479.00	£444.00
U value of window = 1.3	L3 - Safety double glazed												
PTP O1*	£278.00	£298.00	£304.00	£311.00	£324.00	£326.00	£354.00	£407.00	£410.00	£429.00	£458.00	£492.00	£459.00
U value of window = 1.3	O1 - Obscure double glazed												

*window with the obscure glass

L3 and L5 have inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

ALL PRICES EXCLUDE VAT



ELECTRICALLY CONTROLLED CENTRE PIVOT WINDOWS

The FTP-V U3 Electro and FTU-V U3 Electro are centre pivot windows which, with any blinds that are fitted, can be opened and closed electronically by remote control. The windows have a ZRD rain sensor which automatically triggers the sash closing function when rain drops appear. The entire integrated control mechanism (including servo-motor) is contained beneath an attractive aluminium cover and fitted in the lower part of the frame.

FTP-V
Electro
FTU-V
Electro

CENTRE PIVOT WINDOWS – ELECTRONICALLY OPERATED

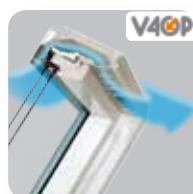


- Traditional centre pivot operation complete with factory fitted electrical equipment and remote for easy fitting
- Suitable for remote or switch operation
- High quality close-grain vacuum impregnated redwood pine guaranteed to be knot-free
- Windows turn through 180° to clean outer pane from within the room
- Energy saving glazing units including U3 (U-value 1.1 W/m²K)
- Topsafe® system of hinge of burglary protection as standard
- Suitable for pitches from 15° - 90°
- V40P automatic air vent



FTP-V Electro

- V40P automatic air vent
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- High quality, close-grain vacuum impregnated redwood pine in a natural finish
- Available in conservation style



FTU-V Electro

- V40P automatic air vent
- High quality, close-grain vacuum impregnated redwood pine with a triple-coating of white polyurethane for a smooth, wipe-clean finish
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- Available in conservation style

CENTRE PIVOT WINDOWS													
windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
FTP-V U3 Electro	£487.00	£497.00	£519.00	£529.00	£541.00	£535.00	£551.00	£576.00	£638.00	£648.00	£648.00	£670.00	£638.00
U value of window = 1.3	U3 - Energy saving double glazed												
FTP-V L3 Electro	£514.00	£526.00	£540.00	£540.00	£564.00	£548.00	£578.00	£606.00	£655.00	£670.00	£678.00	£695.00	£664.00
U value of window = 1.3	L3 - Safety double glazed												
FTU-V U3 Electro	£525.00	£540.00	£550.00	£555.00	£588.00	£590.00	£630.00	£660.00	£678.00	£710.00	£720.00	£728.00	£705.00
U value of window = 1.3	U3 - Energy saving double glazed												
FTU-V L3 Electro	£554.00	£568.00	£578.00	£580.00	£612.00	£594.00	£630.00	£662.00	£730.00	£740.00	£746.00	£775.00	£730.00
U value of window = 1.3	L3 - Safety double glazed												

L3 has inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

ALL PRICES EXCLUDE VAT



FTP-VP2
Secure

WINDOWS WITH INCREASED RESISTANCE TO BURGLARY – **SECURE**



- Combination of topSafe hinge and lock reinforcement, Class P2A laminated anti-burglary glazing, system preventing glass removal and safety lock
- Windows turn through 180° to clean outer pane from within the room
- Operating handle in the base of the sash for ease of use
- Suitable for pitches from 15° - 90°
- Energy saving glazing units including P2 as standard (U-value 1.1 W/m²K)



FTP-V Secure

- Protection against window impact, levering and glazing removal
- V40P automatic air vent
- Exceptional thermal efficiency - U-value 1.3 W/m²K
- High quality, close-grain vacuum impregnated redwood pine
- Available in conservation style

CENTRE PIVOT WINDOWS

windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
FTP-V P2 Secure	£360.00	£400.00	£420.00	£425.00	£455.00	£440.00	£490.00	£545.00	£570.00	£600.00	£655.00	£670.00	£600.00
U value of window = 1.3	P2 - Anti-burglary double glazed												
FTP-V/C P2 Secure	£460.00	£505.00	£530.00	£530.00	£570.00	£565.00	£635.00	£705.00	£710.00	£760.00	£850.00	£860.00	£780.00
U value of window = 1.3	P2 - Anti-burglary double glazed												

L3 has inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

ALL PRICES EXCLUDE VAT



FPP-V
preSelect
FHP-V
autoSelect

TOP HUNG AND PIVOT DUAL FUNCTION WINDOWS - NATURAL PINE



- Change windows from top hung to centre pivot operation at the flick of a switch
- Windows turn through 180° to clean outer pane from within the room
- Operating handle in the base of the sash for ease of use
- Energy saving glazing units including U3 (U-value 1.1 W/m²K)
- Suitable for pitches from 15° - 55° (or non-standard option for opening from 15° - 85°)



FPP-V preSelect

- Change from top hung to centre pivot using switch in the side of the frame
- V40P automatic air vent
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- Topsafe® system of hinge of burglary protection as standard
- High quality close-grain vacuum impregnated redwood pine
- Also available in white and conservation style



FHP-V autoSelect

- Change from top hung to centre pivot using switch in the top of the frame
- V40P automatic air vent
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- Topsafe® system of hinge of burglary protection as standard
- High quality close-grain vacuum impregnated redwood pine
- Also available in white and conservation style

TOP HUNG AND PIVOT WINDOWS

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FPP-V U3 preSelect	£326.00	£328.00	£328.00	£338.00	£343.00	£366.00	£404.00	£405.00	£428.00	£486.00	£463.00	£438.00
U value of window = 1.3	U3 - Energy saving double glazed											
FPP-V L3 preSelect	£363.00	£363.00	£363.00	£372.00	£372.00	£412.00	£450.00	£435.00	£464.00	£548.00	£510.00	£474.00
U value of window = 1.3	L3 - Safety double glazed											
FHP-V U3 autoSelect	£266.00	£290.00	£295.00	£310.00	£290.00	£328.00	£362.00	£368.00	£390.00	-	-	-
U value of window = 1.3	U3 - Energy saving double glazed											
FHP-V L3 autoSelect	£308.00	£324.00	£334.00	£356.00	£336.00	£374.00	£408.00	£430.00	£440.00	-	-	-
U value of window = 1.3	L3 - Safety double glazed											
FHP-V L5 autoSelect	£495.00	£495.00	£495.00	£530.00	£535.00	£560.00	£595.00	£615.00	£650.00	-	-	-
U value of window = 0.97	L5 - Safety triple glazed											

L3 has inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

Windows sizes 6 - 12 comply with Fire Escape Regulations
ALL PRICES EXCLUDE VAT



FPU-V
preSelect
FHU-V
autoSelect

TOP HUNG AND PIVOT DUAL FUNCTION WINDOWS WITH INCREASED RESISTANCE TO MOISTURE – **WHITE PU-COATED PINE**



- Ideal for bathrooms, wetrooms, kitchens and environments with increased humidity
- Windows turn through 180° to clean outer pane from within the room
- Energy saving glazing units including U3 as standard (U-value 1.1 W/m²K)
- Operating handle in the base of the sash for ease of use
- Suitable for pitches from 15° - 55° (or non-standard option for opening from 15° - 85°)
- Topsafe® system of burglary protection as standard



FPU-V preSelect



FHU-V autoSelect

- Change from top hung to centre pivot using switch in the side of the frame
- V40P automatic air vent
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- Smooth, white, wipe-clean finish
- Available in conservation style
- Change from top hung to centre pivot using switch in the top of the frame
- V40P automatic air vent
- Exceptional thermal efficiency minimum U-value 1.3 W/m²K
- Smooth, white, wipe-clean finish
- Available in conservation style

TOP HUNG AND PIVOT WINDOWS

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FHU-V U3 autoSelect	£308.00	£330.00	£330.00	£358.00	£336.00	£378.00	£418.00	£403.00	£429.00	-	-	-
U value of window = 1.3	U3 - Energy saving double glazed											
FHU-V L3 autoSelect	£365.00	£370.00	£374.00	£396.00	£393.00	£418.00	£445.00	£460.00	£490.00	-	-	-
U value of window = 1.3	L3 - Safety double glazed											
FHU-V L5 autoSelect	£340.00	£350.00	£360.00	£382.00	£370.00	£396.00	£425.00	£410.00	£443.00	£496.00	£505.00	£472.00
U value of window = 0.97	L5 - Safety triple glazed											
FPU-V U3 preSelect	£382.00	£401.00	£401.00	£432.00	£416.00	£450.00	£490.00	£460.00	£490.00	£570.00	£565.00	£525.00
U value of window = 1.3	U3 - Energy saving double glazed											

L3 and L5 have inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

Windows sizes 6 - 12 comply with Fire Escape Regulations
ALL PRICES EXCLUDE VAT



PPP-V
preSelect

TOP HUNG AND PIVOT DUAL FUNCTION WINDOWS – PVC



- Ideal for bathrooms, wetrooms, kitchens and environments with increased humidity
- Windows turn through 180° to clean outer pane from within the room
- Energy saving glazing units including U3 as standard (U-value 1.1 W/m²K)
- Operating handle in the base of the sash for ease of use
- Suitable for pitches from 15° - 55° (or non-standard option for opening from 15° - 85°)
- Topsafe® system of burglary protection as standard



PPP-V preSelect

- Change windows from top hung to centre pivot operation at the flick of a switch
- V35 air inlet
- PVC profile with steel reinforcement for a smooth, wipe-clean finish
- Available in White, Golden Oak or Natural Pine veneer finishes
- Available in conservation style

TOP HUNG AND PIVOT WINDOWS												
windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
PPP-V U3 preSelect	£408.00	£411.00	£414.00	£428.00	£428.00	£462.00	£498.00	£513.00	£546.00	£546.00	£620.00	-
U value of window = 1.3	U3 - Energy saving double glazed											
PPP-V L3 preSelect	£470.00	£472.00	£474.00	£496.00	£496.00	£529.00	£575.00	£618.00	£657.00	£660.00	£740.00	-
U value of window = 1.3	L3 - Safety double glazed											

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

Windows sizes 6 - 12 comply with Fire Escape Regulations
ALL PRICES EXCLUDE VAT

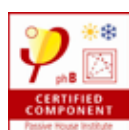


FTT U8
Thermo
FTT U6
FTT R3

HIGHLY ENERGY - EFFICIENT ROOF WINDOWS



- Ideal for airtight construction
- High performance standard roof windows giving overall U-values from 0.58 - 0.81 W/m²K
- Operating handle in base of the sash for ease of user
- Windows turn through 180° to clean outer pane from within the room
- High quality close grain vacuum impregnated redwood pine guaranteed to be knot free
- Suitable for pitches from 15° - 70°
- Topsafe® system of hinge of burglary protection as standard



FTT U8 Thermo

- Vent-free
- Exceptional thermal efficiency U-value 0.58 W/m²K
- Quadruple glazed and fivefold seal airtight construction
- Supplied complete with thermal flashing and XDK insulation kit
- High quality, close grain vacuum impregnated redwood pine in a natural finish
- Also available in white and conservation style



FTT U6

- Vent-free
- Exceptional thermal efficiency U-value 0.81 W/m²K
- Triple glazed and quadruple seal
- Also available in white and conservation style



FTT R3

- Vent-free
- Exceptional thermal efficiency U-value 0.81 W/m²K
- Sound reduction glazing unit
- Triple glazed and quadruple seal
- Available in conservation style

CENTRE PIVOT WINDOWS

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FTT U8 Thermo	£855.00	£898.00	£910.00	£952.00	£960.00	£1065.00	£1180.00	£1230.00	£1268.00	£1280.00	£1435.00	£1300.00
U value of window = 0.58*	U8 - Passive quadruple glazed											
FTT U6	£470.00	£490.00	£490.00	£520.00	£525.00	£590.00	£650.00	£680.00	£700.00	£705.00	£795.00	£720.00
U value of window = 0.81	U6 - High energy efficient triple glazed											
FTT R3	£503.00	£527.00	£535.00	£560.00	£565.00	£633.00	£700.00	£735.00	£757.00	£765.00	£860.00	£775.00
U value of window = 0.81	R3 - Sound reducing triple glazed											

*window U value when installed with thermal flashing

To choose the appropriate flashing go to pages 48-51

For prices of any product in conservation style go to pages 28-33

ALL PRICES EXCLUDE VAT

CONSERVATION WINDOWS

FAKRO has an extensive range of conservation roof windows and also routinely manufactures products to bespoke design requirements. The characteristic features of such windows are their black vertical mullion bar, cladding and flashing (to RAL9005) but from a user's perspective they offer all of our standard features and contemporary interior styling. As such, we offer a choice of natural pine, white PU-coated pine and PVC windows.



Pioneers Museum, Rochdale, Lancashire



Barn conversion, Baschurch, Shropshire



Conservation windows in L-shape, Anglesey, Wales

Whether for a listed building or a traditional barn conversion, FAKRO conservation style roof windows offer the critical facility to install them low within the roof line. Three depth options are available to suit all coverings:-

Standard depth (denoted by the last letter 'V' e.g. EZV)

Installation 3cm higher than standard depth

(denoted by the last letter 'N')

Installation 3cm lower than standard depth (denoted by the letter 'J')

For conservation roof windows 'J' flashings are most commonly used to provide the required low profile. Flashings available are as follows:-

EEJ/C - sheet metal roof coverings e.g. zinc, copper, stainless steel

ELJ/C - natural and man-made slates, etc. up to 8mm thick

EPJ/C - plain tiles (clay and concrete)

ESJ/C - shingles e.g. cedar, asphalt, felts etc.

EZJ/C - profiled roof coverings up to 45mm in depth e.g. Double Pantile.

BESPOKE REQUIREMENTS

These can include options ranging from an additional mullion bar to non-standard sizes and cladding shades. We even manufacture conservation style windows for use in L-shape profiles to take the glazing into the wall (see also pages 38-39). Such commissions are now routinely met within very short time scales, details of which are agreed for each project. Phone 01283 554755 and one of our specification team will be asked to make contact to discuss your requirement.

CONSERVATION WINDOWS

CENTRE PIVOT - NATURAL PINE, MANUAL OPERATION

windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m ²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
FTP-V/C U3 (V) KIT	£365.00	£368.00	£380.00	£405.00	£416.00	£425.00	£482.00	£516.00	£545.00	£560.00	£580.00	£630.00	£608.00
U value of window = 1.3	U3 - Energy saving double glazed												
Includes FTP-V/C U3 centre pivot window **V/C Conservation flashing (standard depth) and XDP insulation set													
FTP-V/C U3 (J) KIT	£395.00	£410.00	£424.00	£455.00	£464.00	£485.00	£532.00	£568.00	£585.00	£610.00	£630.00	£680.00	£664.00
U value of window = 1.3	U3 - Energy saving double glazed												
Includes FTP-V/C U3 centre pivot window **J/C Conservation flashing (3cm deeper than standard depth) and XDP insulation set													
FTP-V/C U5	£433.00	£469.00	£500.00	£502.00	£527.00	£530.00	£590.00	£660.00	£662.00	£708.00	£707.00	£801.00	£723.00
U value of window = 0.97	U5 - Energy saving triple glazed												
FTP-V/C L3	£355.00	£375.00	£405.00	£400.00	£435.00	£420.00	£460.00	£505.00	£560.00	£580.00	£585.00	£670.00	£590.00
U value of window = 1.3	L3 - Safety double glazed												
FTP-V/C L5	£476.00	£515.00	£550.00	£552.00	£580.00	£583.00	£649.00	£726.00	£728.00	£778.00	£777.00	£881.00	£795.00
U value of window = 0.97	L5 - Safety triple glazed												
FTP-V/C G6	£450.00	£468.00	£527.00	£534.00	£551.00	£535.00	£568.00	£607.00	£643.00	£664.00	£724.00	£756.00	£715.00
U value of window = 1.2	G6 - Solar control double glazed												
FTP-V/C R1	£355.00	£385.00	£400.00	£405.00	£415.00	£425.00	£470.00	£540.00	£550.00	£575.00	£595.00	£630.00	£578.00
U value of window = 1.3	R1 - Sound reducing double glazed												

L3 and L5 have inner laminated glass and an easy maintenance external pane



FTP-V/C centre pivot conservation window with combination flashing.



Bespoke FTP-V/C centre pivot window with additional mullion bar. Pioneers Museum, Rochdale.

CENTRE PIVOT - NATURAL PINE, ELECTRICAL OPERATION

FTP-V/C U3 Electro	£636.00	£670.00	£702.00	£708.00	£755.00	£760.00	£825.00	£850.00	£870.00	£891.00	£900.00	£938.00	£900.00
U value of window = 1.3	U3 - Energy saving double glazed												
FTP-V/C U5 Electro	£800.00	£830.00	£855.00	£860.00	£880.00	£885.00	£935.00	£995.00	£995.00	£1040.00	£1045.00	-	£1050.00
U value of window = 0.97	U5 - Energy saving triple glazed												
FTP-V/C L3 Electro	£667.00	£705.00	£739.00	£741.00	£799.00	£808.00	£865.00	£893.00	£912.00	£936.00	£946.00	£988.00	£946.00
U value of window = 1.3	L3 - Safety double glazed												
FTP-V/C L5 Electro	£830.00	£860.00	£890.00	£895.00	£915.00	£920.00	£970.00	£1040.00	£1045.00	-	-	-	-
U value of window = 0.97	L5 - Safety triple glazed												

To choose the appropriate flashing go to pages 48-51

ALL PRICES EXCLUDE VAT

CONSERVATION WINDOWS

CENTRE PIVOT - PVC (AVAILABLE IN WHITE, PINE OR GOLDEN OAK)

windows external dimensions [cm]	55x78	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m ²]	0.21	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	01	02	16	03	04	05	06	07	08	09	10	11	12
PTP-V/C U3	£328.00	£352.00	£360.00	£367.00	£383.00	£386.00	£418.00	£481.00	£484.00	£507.00	£542.00	£582.00	£543.00
U value of window = 1.3	U3 Safety double glazed												
PTP-V/C L3	£350.00	£380.00	£388.00	£394.00	£408.00	£408.00	£445.00	£515.00	£520.00	£550.00	£590.00	£630.00	£590.00
U value of window = 1.3	L3 Safety double glazed												
PTP-V/C O1*	£355.00	£380.00	£390.00	£395.00	£413.00	£413.00	£450.00	£520.00	£520.00	£545.00	£585.00	£625.00	£585.00
U value of window = 1.3	O1 Obscure double glazed												

*window with the obscure glass

L3 has inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51



FPP-V/C preSelect windows – Bishop Thornton, near Harrogate.

CONSERVATION WINDOWS

TOP HUNG AND PIVOT WINDOWS - NATURAL PINE

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m ²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FPP-V/C U3 preSelect	£428.00	£430.00	£430.00	£445.00	£445.00	£475.00	£513.00	£526.00	£556.00	£572.00	£609.00	£569.00
U value of window = 1.3	U3 - Energy saving double glazed											
FPP-V/C U5 preSelect	£568.00	£578.00	£578.00	£596.00	£596.00	£618.00	£672.00	£692.00	£730.00	£735.00	£830.00	£735.00
U value of window = 0.97	U5 - Energy saving triple glazed											













TOP HUNG AND PIVOT WINDOWS - PVC (AVAILABLE IN WHITE, PINE OR GOLDEN OAK)

PPP-V/C U3 preSelect	£530.00	£534.00	£538.00	£556.00	£560.00	£600.00	£649.00	£667.00	£709.00	£709.00	£806.00	-
U value of window = 1.3	U3 - Energy saving double glazed											



FHP-V/C centre pivot conservation windows, barn conversion Norbury, Shropshire.

TOP HUNG AND PIVOT WINDOWS - PINE

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m ²]	 0.29	 0.37	 0.38	 0.47	 0.47	 0.59	 0.72	 0.75	 0.92	 0.95	 1.16	 0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FHP-V/C U3 (V) KIT	£440.00	£445.00	£450.00	£465.00	£465.00	£485.00	£592.00	£595.00	£600.00	-	-	-
U value of window = 1.3	U3 - Energy saving double glazed											
Includes FHP-V/C U3 top hung and pivot window with **V/C Conservation flashing (standard depth) and XDP insulation set												
FHP-V/C U3 (J) KIT	£500.00	£505.00	£510.00	£540.00	£540.00	£560.00	£644.00	£645.00	£650.00	-	-	-
U value of window = 1.3	U3 - Energy saving double glazed											
Includes FHP-V/C U3 top hung and pivot window with **J/C Conservation flashing (3cm deeper than standard depth) and XDP insulation set												

TOP HUNG AND PIVOT WINDOWS - WHITE PU-COATED PINE

FPU-V/C U3 preSelect	£465.00	£470.00	£472.00	£494.00	£494.00	£514.00	£530.00	£540.00	£580.00	£580.00	£660.00	£618.00
U value of window = 1.3	U3 - Energy saving double glazed											
FPU-V/C L3 preSelect	£510.00	£520.00	£520.00	£540.00	£540.00	£560.00	£591.00	£595.00	£637.00	£637.00	£730.00	£682.00
U value of window = 1.3	L3 - Safety double glazed											
FHU-V/C U3 autoSelect	£425.00	£430.00	£430.00	£458.00	£455.00	£482.00	£515.00	£528.00	£570.00	-	-	-
U value of window = 1.3	U3 - Energy saving double glazed											
FHU-V/C L3 autoSelect	£470.00	£475.00	£480.00	£500.00	£500.00	£525.00	£565.00	£580.00	£618.00	-	-	-
U value of window = 1.3	L3 - Safety double glazed											

L3 has inner laminated glass and an easy maintenance external pane

To choose the appropriate flashing go to pages 48-51

CONSERVATION WINDOWS

THERMALLY EFFICIENT ROOF WINDOWS - NATURAL PINE

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m ²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FTT/C U6	£611.00	£637.00	£637.00	£676.00	£682.00	£767.00	£845.00	£884.00	£910.00	£916.00	£1033.00	£936.00
U value of window = 0.81	U6 - High energy efficient triple glazed											
FTT/C U8 Thermo	£1104.00	£1165.00	£1170.00	£1236.00	£1242.00	£1384.00	£1530.00	£1598.00	£1648.00	£1655.00	£1861.00	£1686.00
U value of window = 0.58 *	U8 - Passive quadruple glazed											

THERMALLY EFFICIENT ROOF WINDOWS - WHITE PU-COATED PINE

windows external dimensions [cm]	55x98	55x118	66x98	66x118	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98
effective glazing area [m ²]	0.29	0.37	0.38	0.47	0.47	0.59	0.72	0.75	0.92	0.95	1.16	0.92
size symbol	02	16	03	04	05	06	07	08	09	10	11	12
FTT/U/C U6	£658.00	£686.00	£686.00	£728.00	£735.00	£826.00	£910.00	£952.00	£980.00	£987.00	£1113.00	£1008.00
U value of window = 0.81	U6 - High energy efficient triple glazed											
FTT/U/C U8 Thermo	£1188.00	£1255.00	£1260.00	£1330.00	£1335.00	£1490.00	£1650.00	£1720.00	£1774.00	£1780.00	£2005.00	£1815.00
U value of window = 0.58 *	U8 - Passive quadruple glazed											

* window U value when installed with EHV-AT Thermo flashing

HIGH PIVOT WINDOWS - NATURAL PINE

windows external dimensions [cm]	78x140	78x160	78x180	78x206	94x140	94x160	94x180	94x206
glazing area [m ²]	0.73	0.85	0.96	1.62	0.92	1.07	1.22	1.42
size symbol	07	13	40	42	09	80	41	43
FYP-V/C U3 proSky	£505.00	£615.00	£675.00	£745.00	£557.00	£626.00	£690.00	£755.00
Single sash	U3 - Energy saving double glazed							

HIGH PIVOT WINDOWS - NATURAL PINE

windows external dimensions [cm]	78x186	78x206	78x235	94x186	94x206	94x235
glazing area [m ²]	1.05	1.19	1.39	1.29	1.46	1.71
size symbol	CA	CB	CC	DA	DB	DC
FDY-V U3 Duet proSky	£750.00	£820.00	£950.00	£803.00	£883.00	£1070.00
Twin sash	U3 - Energy saving double glazed					

To choose the appropriate flashing go to pages 48-51



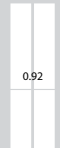

FTP-V/C centre pivot conservation windows, barn conversion Norbury, Shropshire.



Conservation roof windows using combination flashings, Drill Hall conversion Halifax, West Yorkshire.

CONSERVATION WINDOWS

BALCONY WINDOW

	78x255	94x255
windows external dimensions [cm]		
effective glazing area [m²]	0.92	1.67

FGH-V/C P2 Galeria £3000.00 £3000.00

U value of window = 1.5 Anti-burglary double glazed



Bogallan Church, Highlands, Scotland





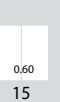


Please note that the FGH-V Balcony Window is supplied complete with flashing BUT PLEASE ENSURE you stipulate the type of roof covering

L-SHAPED COMBINATION WINDOW

window external dimensions [cm]	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	114x60	114x75	114x95	114x115	134x60
size symbol	33	81	82	83	84	34	85	86	87	35	89	90	91	36
BDL/C L3	£690.00	£757.00	£825.00	£911.00	£1007.00	-	£812.00	£891.00	£981.00	-	-	£975.00	£1066.00	-
Tilt and left hand opening	L3 - Safety double glazed													
BDR/C L3	£690.00	£757.00	£825.00	£911.00	£1007.00	-	£812.00	£891.00	£981.00	-	-	£975.00	£1066.00	-
Tilt and right hand opening	L3 - Safety double glazed													
BVP/C L3	£444.00	£468.00	£496.00	£555.00	£608.00	£495.00	£524.00	£549.00	£604.00	£515.00	£548.00	£568.00	£568.00	£555.00
Tilt opening	L3 - Safety double glazed													
BXP/C L3	£370.00	£385.00	£399.00	£446.00	£485.00	£405.00	£415.00	£435.00	£475.00	£465.00	£505.00	£560.00	£615.00	£530.00
Non-opening	L3 - Safety double glazed													

To choose the appropriate flashing go to pages 48-51

SIDE HUNG AND MEANS OF ESCAPE WINDOW





	66x78	66x98	66x118	78x98	78x118	94x98	94x118
external dimensions [cm]							
size symbol	028 22	038 03	047 04	047 05	059 06	060 15	075 08
FWL/C U3 & FWR/C U3	£377.00	£379.00	£386.00	£481.00	£525.00	£580.00	£611.00
	U3 - Energy saving double glazed						
FWL/C L3 & FWR/C L3	£430.00	£431.00	£472.00	£555.00	£598.00	£653.00	£691.00
	L3 - Safety double glazed						

FLASHING FOR SIDE HUNG AND MEANS OF ESCAPE WINDOW

ELW/C	£82.00	£82.00	£85.00	£86.00	£92.00	£98.00	£99.00
for slate up to 8mm thick							
EZW-A/C	£82.00	£82.00	£85.00	£86.00	£92.00	£98.00	£99.00
for tile profiles up to 45mm							
EHW-A/C	£95.00	£95.00	£98.00	£98.00	£104.00	£111.00	£111.00
for tile profiles up to 90mm							
ESW/C	£69.00	£69.00	£73.00	£73.00	£79.00	£85.00	£85.00
for flat roofing materials							
EPW/C	£85.00	£86.00	£88.00	£89.00	£95.00	£101.00	£102.00
for plain tiles up to 15mm							

L3 has inner laminated glass and an easy maintenance external pane

STANDARD ACCESS ROOF LIGHTS

	46x55	46x75	46x61
external dimensions [cm]			
WGI/C	£174.00	£186.00	£248.00
external dimensions [cm]			
WLI/C	£301.00		



Bogallan Church, Highlands, Scotland

ALL PRICES EXCLUDE VAT

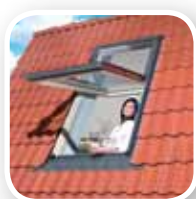


FYP-V
proSky
FDY-V
Duet proSky

ROOF WINDOWS WITH RAISED AXIS OF ROTATION



- Traditional pivot operation with raised axis to enable even tall people to stand in an open window
- Increased window height using traditional widths
- TopSafe hinge and lock reinforcement
- Windows turn through 160° to clean outer pane from within the room
- Operating handle in the base of the sash for ease of use
- Energy saving glazing units including U3 as standard (U-value 1.1 W/m²K)



FYP-V proSky

- Counterbalanced pivot mechanism V40P automatic air vent
- Install at pitches from 20-65°
Exceptional thermal efficiency - U-value 1.3 W/m²K
- High quality, close-grain vacuum impregnated redwood pine
- Also available in white and conservation style



FDY-V Duet proSky

- Twin sash window in a single frame
- Counterbalanced pivot mechanism
- V40P automatic air vent
- Install at pitches from 25-65°
- Exceptional thermal efficiency - U-value 1.3 W/m²K
- High quality, close-grain vacuum impregnated redwood pine
- Available in conservation style

WINDOWS WITH RAISED AXIS OF ROTATION

windows external dimensions [cm]	78x140	78x160	78x180	78x206	94x140	94x160	94x180	94x206
glazing area [m²]	0.73	0.85	0.96	0.162	0.92	1.07	1.22	1.42
size symbol	07	13	40	42	09	80	41	43
FYP-V U3 proSky	£382.00	£466.00	£512.00	£564.00	£423.00	£475.00	£524.00	£573.00
U value of window = 1.3 U3 - Energy saving double glazed								

WITH LOWER TRANSOM

windows external dimensions [cm]	78x186	78x206	78x235	94x186	94x206	94x235
glazing area [m²]	0.91	1.03	1.20	1.15	1.30	1.52
size symbol	CA	CB	CC	DA	DB	DC
FDY-V U3 Duet proSky	£565.00	£630.00	£720.00	£610.00	£670.00	£810.00
U value of window = 1.3 U3 - Energy saving double glazed						

To choose the appropriate flashing go to pages 48-51

ALL PRICES EXCLUDE VAT

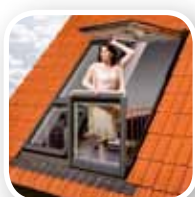


FGH-V
Galeria

BALCONY WINDOW



- Operating handle in the base of the upper sash for ease of use
- topSafe hinge and lock reinforcement
- Windows turn through 180° to clean outer pane from within the room
- Energy saving glazing units including U3 as standard (U-value 1.1 W/m²K)
- Suitable for pitches from 35° - 55°



FGH-V Galeria

- The contemporary alternative to a dormer at far lower cost. Twin sash design has a lower element which opens to reveal built-in balustrades and an upper element which opens through 45° as a top hung window
- Increased window height using traditional widths
- When closed, balustrades are hidden below the window, the profile of which is undistinguishable from a standard Duet window. With no element above the roofline there is no risk of dirt accumulating
- Use in combination with other roof windows using the K_/G flashing

BALCONY WINDOW

windows external dimensions [cm]

effective glazing area [m²]

78x255

94x255

0.92

1.67

FGH-V P2 Galeria

£2350.00

£2350.00

U value of window = 1.5

P2 - Anti-burglary double glazed

FGH-V/C P2 Galeria

£3000.00

£3000.00

U value of window = 1.5

P2 - Anti-burglary double glazed

Please note that the FGH-V Balcony Window is supplied complete with flashing BUT PLEASE ENSURE you stipulate the type of roof covering

For prices of any product in conservation style go to pages 28-33



**BDL
BDR
BVP
BXP**

L-SHAPE COMBINATION WINDOWS



- Combine with any standard Fakro roof window
- Join with roof windows with a pitch from 15° - 55°
- Laminated L3 glazing units


BD_

- Extend glazing area from the roof into the wall


BVP

- Tilt opening option


BXP

- Non-opening option

- Tilt and turn opening window
- Left and right hand opening options
- Single handle operation
- Key operated lock and multi-point locking fittings
- Available in conservation style
- Tilt opening option

L-SHAPED WINDOW

window external dimensions [cm]	78x60	78x75	78x95	78x115	78x137	94x60	94x75	94x95	94x115	114x60	114x75	114x95	114x115	134x60
size symbol	33	81	82	83	84	34	85	86	87	35	89	90	91	36
BDL L3 (left)	£534.00	£583.00	£635.00	£701.00	£775.00	-	£625.00	£686.00	£755.00	-	-	£750.00	£820.00	-
BDR L3 (right)	£534.00	£583.00	£635.00	£701.00	£775.00	-	£625.00	£686.00	£755.00	-	-	£750.00	£820.00	-
U value of window = 1.3	L3 - Safety double glazed													
BVP L3	£340.00	£360.00	£380.00	£425.00	£465.00	£380.00	£400.00	£420.00	£460.00	£395.00	£420.00	£435.00	£435.00	£425.00
U value of window = 1.3	L3 - Safety double glazed													
BXP L3	£277.00	£288.00	£301.00	£335.00	£363.00	£301.00	£311.00	£325.00	£354.00	£350.00	£380.00	£417.00	£458.00	£398.00
U value of window = 1.3	L3 - Safety double glazed													

FLASHING FOR L-SHAPED WINDOW

window external dimensions [cm]	66x98	78x98	78x118	78x140	94x118	94x140	114x118	114x140	134x98	78x160	66x140
size symbol	03	05	06	07	08	09	10	11	12	13	14
EUUV-L/B for Slate	£119.00	£124.00	£134.00	£145.00	£142.00	£144.00	£144.00	£151.00	£149.00	£149.00	£134.00
EUUV/B for Tiles	£99.00	£104.00	£109.00	£114.00	£112.00	£114.00	£114.00	£119.00	£117.00	£117.00	£109.00

L-shaped combination flashing is selected on the basis of the roof windows size.
L3 has inner laminated glass and an easy maintenance external pane

For prices of any product in conservation style go to pages 28-33

ALL PRICES EXCLUDE VAT



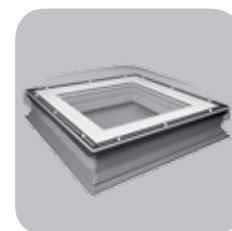
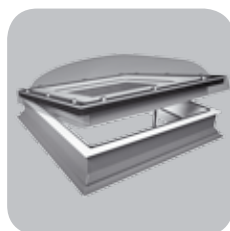
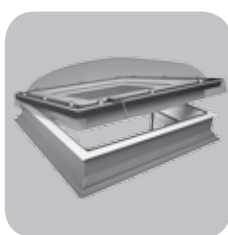
DEC
DMC
DXC

DOMED FLAT ROOF WINDOWS



- High energy-efficiency.
- Provides a large amount of natural light.
- Wide range of sizes.
- The domed flat roof window is intended for installation in a roof with a pitch of 0°-15°.
- Window design allows for the installation of internal and external accessories.

The domed flat roof window is available in the following versions:



DEC electrically opened
in wireless Z-Wave system

DMC manually opened

DXC non-opening

- Perfect thermal insulation parameters. The DEC-C U8 window with passive U8 glazing unit is characterized by heat transmittance co-efficient for the whole window of $U=0.55 \text{ W/m}^2\text{K}^*$. Standard P2 glazing unit features coefficient $U=1.2 \text{ W/m}^2\text{K}$

*according to EN1873 standard (for the size 120x120cm),

- A specially profiled covering material under the drip cap of the frame facilitates the finishing of the window connection with the roofing material.
- The flat roof window can be also mounted on an additional base with a height of 15cm, which raises the window and allows its installation, e.g. in green or living roofs.

SIZES OF FLAT ROOF WINDOW

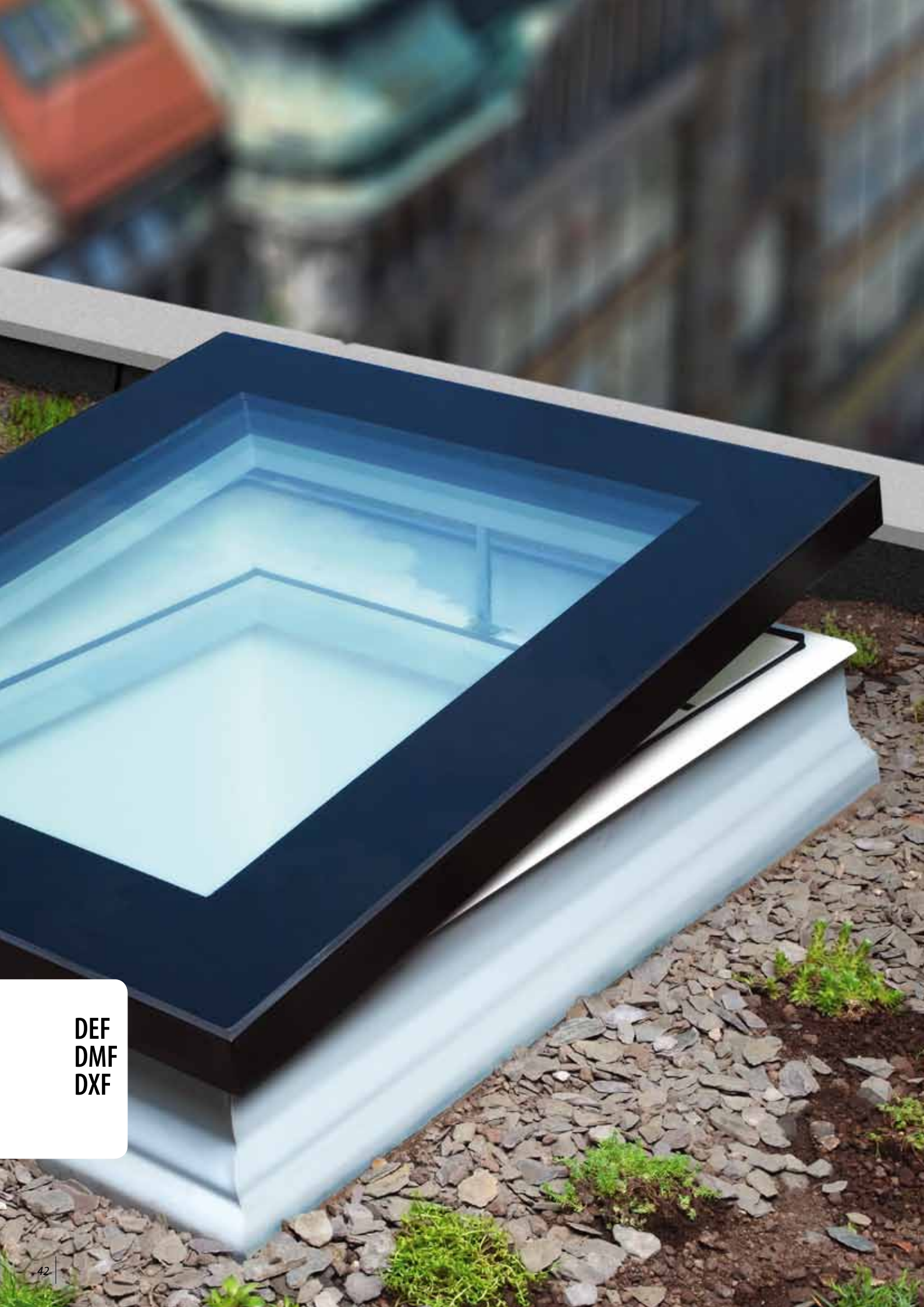
dimensions [cm]	70x70	80x80	100x100	120x120
Minimum roof opening [cm]	70x70	80x80	100x100	120x120
Maximum roof opening [cm]	75x75	85x85	105x105	125x125
Effective glazed area [m²]	0.33	0.46	0.77	1.16

2-GLASSES	U _g = 1.1	DXC-C P2 Non-opening, anti-burglary double glazed	£474.00	£478.00	£597.00	£743.00
	U _g = 1.1	DMC-C P2, Manually opening, anti-burglary double glazed	£669.00	£673.00	£835.00	£1040.00
	U _g = 1.1	DEC-C P2, Electrically opening Anti-burglary double glazed	£936.00	£840.00	£984.00	£1136.00
	U _g = 0.3	DEC-C U8(VSG) Passive quadruple glazed	£1400.00	£1410.00	£1650.00	£1900.00

In accordance
with NBN S 23-002

To choose the appropriate flashing go to pages 44-47

ALL PRICES EXCLUDE VAT



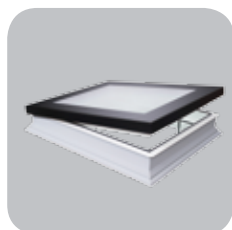
DEF
DMF
DXF

NON DOMED FLAT ROOF WINDOWS

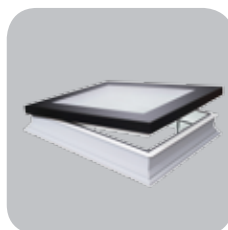


- High energy efficiency.
- Provides a large amount of natural light.
- Wide range of sizes.
- The D_F flat roof window is intended for installation in a roof with a pitch of 2°-15°.
- Window design allows for the installation of internal and external accessories.

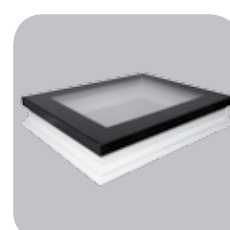
The flat roof window is available in the following versions:



DEF electrically opened
in wireless Z-Wave system



DMF manually opened



DXF non-opening

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

Modern window bonding technology gives a highly aesthetic and innovative design.

The D_F window can be manufactured in a wide range of sizes and is an ideal replacement for old skylights that do not meet current thermal insulation parameters.

A specially profiled covering material under the drip cap of the frame facilitates the finishing of the window connection with the roofing material.

The flat roof window can be also mounted on an additional base with a height of 15cm, which raises the window and allows its installation, e.g. in green or living roofs.

To ensure the flow of water from the glass surface of D_F non domed windows, the window should be installed with a pitch of at least 2°. Flat roofs generally have a pitch of 3-4°.

SIZES OF FLAT ROOF WINDOW

dimensions [cm]	70x70	80x80	100x100	120x120
Minimum roof opening [cm]	70x70	80x80	100x100	120x120
Maximum roof opening [cm]	75x75	85x85	105x105	125x125
Effective glazed area [m²]	0.33	0.46	0.77	1.16

3-GLASSES	Ug = 0.5	DXF U6 Non-opening, high energy efficient triple glazed	£1140.00	£1150.00	£1380.00	£1660.00
	Ug = 0.5	DMF U6 Manually opening, high energy efficient triple glazed	£1275.00	£1285.00	£1550.00	£1860.00
	Ug = 0.5	DEF U6 Electrically opening, high energy efficient triple glazed	£1540.00	£1555.00	£1810.00	£2095.00

In accordance
with NBN S 23-002

To choose the appropriate flashing go to pages 48-51

ALL PRICES EXCLUDE VAT

MEANS OF ESCAPE and ACCESS ROOF LIGHTS

These windows provide access to the roof either for maintenance or as a means of escape. FAKRO FWL and FWR side opening roof windows provide an excellent standard of thermal insulation for loft conversions and are available in standard or conservation style. Access roof lights are for use in uninhabited roof spaces with side hung and top hung options available, also in conservation style.

FW_
WG_
WLI



FW_ side hung escape window



FWL-left



FWR-right

FW_

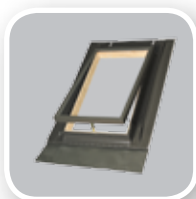
- Right and left opening*
- Energy saving glazing units including U3 (U-value 1.0W/m²K)
- Open to 90°
- Gas piston to assist opening and to prevent slamming
- 5 flashing options to suit specific roof covering**
- Conservation style available
- 32dB acoustic performance
- Suitable for pitches of 15°-55°

Note:

* When ordering note to choose side hung opening option when viewed from the outside

** Order flashings specific to these windows – do not use standard flashings

Access roof lights



WG

- Top hung opening
- Choice of glazing options
 - WGT version with single toughened glass 4H,
 - WGI version with integrated toughened glass 4H-10-4H. Equipped with sash turn limiter which holds the sash stable when opened and prevents it slamming shut accidentally.
- Conservation style available
- Universal flashing
- Suitable for pitches of 15°-60°



WLI

- Right and left opening
- Conservation style available
- Universal flashing
- Suitable for pitches of 15°-70°

SIDE HUNG ESCAPE WINDOW

window dimensions [cm] size symbol	66x78 22	66x98 03	66x118 04	78x98 05	78x118 06	94x98 15	94x118 08
FWL U3 & FWR U3	£280.00	£283.00	£297.00	£360.00	£393.00	£434.00	£458.00
U3 - Energy saving double glazed							
FWL/C U3 & FWR/C U3	£377.00	£379.00	£386.00	£481.00	£525.00	£580.00	£611.00
U3 - Energy saving double glazed							
FWL L3 & FWR L3	£330.00	£333.00	£361.00	£426.00	£459.00	£499.00	£529.00
L3 - Safety double glazed							
FWL/C L3 & FWR/C L3	£430.00	£431.00	£472.00	£555.00	£598.00	£653.00	£691.00
L3 - Safety double glazed							

L3 has inner laminated glass and an easy maintenance external pane

FLASHING FOR SIDE HUNG ESCAPE WINDOW

ELW Flashing for slate up to 8mm thick	£64.00	£64.50	£66.50	£67.50	£72.00	£76.50	£77.00
EZW-A Flashing for tile profiles up to 45mm	£64.00	£64.50	£66.50	£67.50	£72.00	£76.50	£77.00
EHW-A Flashing for tile profiles up to 90mm	£74.00	£74.50	£76.50	£76.50	£82.00	£86.50	£87.00
ESW Flashing for flat roofing materials	£54.50	£55.00	£57.00	£58.00	£62.00	£66.50	£67.00
EPW Flashing for plain tiles up to 15mm	£66.50	£67.00	£69.00	£69.00	£74.00	£79.00	£80.00
ELW/C Conservation flashing for slate up to 8mm thick	£82.00	£82.00	£85.00	£86.00	£92.00	£98.00	£99.00
EZW-A/C Conservation flashing for tile profiles up to 45mm	£82.00	£82.00	£85.00	£86.00	£92.00	£98.00	£99.00
EHW-A/C Conservation flashing for tile profiles up to 90mm	£95.00	£95.00	£98.00	£98.00	£104.00	£111.00	£111.00
ESW/C Conservation flashing for flat roofing materials	£69.00	£69.00	£73.00	£73.00	£79.00	£85.00	£85.00
EPW/C Conservation flashing for plain tiles up to 15mm	£85.00	£86.00	£88.00	£89.00	£95.00	£101.00	£102.00

STANDARD ACCESS ROOF LIGHTS

external dimensions [cm]	46x55	46x75	46x61	external dimensions [cm]	54x98
WGT	£111.00	£120.00	-	WLI	£223.00
WGI	£132.00	£141.00	-	WLI/C	£301.00
WGI/C	£174.00	£186.00	£248.00		

ALL PRICES EXCLUDE VAT

Note: Access roof lights WGT, WGI and WLI are for use in non-habitable rooms only

01283 554755
www.fakro.co.uk



FSP

SMOKE VENTILATION WINDOW SYSTEMS

FAKSV1 FAKSV2 FSP

Smoke Ventilation Roof Windows (EN121012:2003) are electronically operated and activated by a smoke sensor built into the control unit. A signal from the sensor triggers automatic operation of the motor, while the window sash protects the roof opening against the effects of a strong lateral wind. The most commonly used Smoke Ventilation Roof Windows are of Centre Pivot operation with laminated glazing. Either a single FTP-V L3 size 10 window (FAKSV1) or two smaller size 7 FTP-V L3 windows (FAKSV2) can be purchased. The FSP is an aerodynamic smoke vent system with hinges in the base of the frame.



ELECTRICAL COMPONENTS



FAKSV1



FSP



FAKSV17

FSP Smoke Ventilation Window to EN121012:2003					
Window external dimensions (cm)	78x140	94x140	114/118	114/140	134/98
effective glazing area (m ²)			1.15	1.38	1.11
size symbol	07	09	10	11	12
FSP KIT	£2800.00	£2855.00	£2890.00	£3105.00	£3085.00
U value of window = 1.1					
Includes FSP window, actuators, control unit, smoke sensor, smoke alarm and flashing					

Flashing for FSP Smoke Ventilation Windows

Bottom opening system

ELS Flashing for slate roof coverings
 EZS-A Flashing for tile and metal sheeting roof coverings
 EHS-A Flashing for high profile roof coverings

Note: Specify which tiles or slates the window is being installed with to ensure the correct flashing is supplied.

Electrical Packages

FAKS1

1 × 24Volt Chain Actuator,
 1 × Transformer Switch and back box,
 1 × Set of Brackets and fittings,
 1 motor for 1 window.

£273.00

FAKS1B

1 × 24Volt Chain Actuator,
 1 × Selector Switch and back box,
 1 × Control unit,
 1 × Set of Brackets and fittings,
 1 motor for 1 window and 1 blind.

£299.00

FAKA1

1 × 24Volt Chain Actuator,
 1 × Control unit,
 1 × Remote control,
 1 × Rain sensor,
 1 × Set of Brackets and fittings,
 1 motor for 1 window.

£493.00

FAKA1B

1 × 24Volt Chain Actuator,
 1 × Control unit,
 1 × Remote control,
 1 × Rain sensor,
 1 × Set of Brackets and fittings,
 1 motor for one window and one blind.

£630.00

FAKA2

2 × 24Volt Chain Actuator,
 1 × Control unit,
 1 × Remote control,
 1 × Rain sensor,
 2 × Set of Brackets and fittings,
 2 motors for 2 windows.

£735.00

Smoke Ventilation

Centre Pivot FAKSV1

1 × KA22/600 Chain Actuator,
 1 × Ventilator switch,
 1 × Control unit,
 1 × Smoke sensor,
 2 × Firemen Switches, Emergency Power Back Up (Batteries),
 1 × FTP-V L3 size 10 Roof Window, 1 × Flashing.

£1468.00

Centre Pivot FAKSV2*

2 × KA22/600 Chain Actuator,
 1 × Ventilator switch,
 1 × Control unit,
 1 × Smoke sensor,
 2 × Firemen Switches, Emergency Power Back Up (Batteries),
 2 × FTP-V L3 size 7 Roof Window, 1 × B2/1 Flashing.

£1980.00

Centre Pivot FAKSV17

1 × KA22/600 Chain Actuator,
 1 × Ventilator switch,
 1 × Control unit,
 1 × Smoke sensor,
 2 × Firemen Switches, Emergency Power Back Up (Batteries),
 1 × FTP-V L3 size 17 Roof Window, 1 × Flashing.

£1534.00

*Note: The FAKSV 2 system utilises 2/78/140cm FTP-V L3 windows placed side by side in a B2/1 combination with a 100mm gap between them.

Please check with our Customer Services department for details of carriage costs if ordering any electrical package.
 ALL PRICES EXCLUDE VAT

FLASHINGS

Correct choice and installation of the roof window flashing is essential. FAKRO not only supplies flashings to enable roof windows to be installed with any type of roof covering but enables windows to be fitted at 3 key depths. This is particularly valuable with the installation of conservation roof windows which invariably need to sit low within the roof line.

The basic colour of FAKRO flashings is grey/brown RAL 7022 but conservation flashings are black, to match the cladding and mullion bars.

You can install a FAKRO roof window at any of 3 depths

V - This is the standard depth and ideal for tiles such as the Double Roman

N - 3cm higher than the standard depth, for high profile tiles such as the Bold Roll

J - 3cm deeper than the standard depth – ideal for flush fitting of the window in the roof line

No other roof tile manufacturer offers a choice of 3 depths



STANDARD FLASHINGS ALLOW TO INSTALL WINDOWS IN THE MOST POPULAR TYPES OF ROOFING MATERIALS:



ES_

For flat roof coverings such as bitumen shingles up to 10mm thickness



EZ_

For profiled roof coverings up to 45mm depth



EH_

For deeply profiled roof coverings up to 90mm depth



EHV-AT Thermo

Provides thermal insulation above the surface of the battens



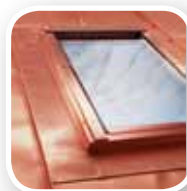
EL_

For natural and man-made slates up to 10mm thickness



EP_

For slates and concrete / slate plain tiles up to 16mm thickness



EE_

For flat roofing materials and metal roofs



_/C

Conservation flashings are available for each of the preceding roof covering types.



EFW

For flat roof window system. Includes flashing and up-stand. It can be fitted to roofs with a pitch of up to 15°

FLASHINGS FOR CENTRE PIVOT WINDOW, TOP HUNG AND PIVOT WINDOWS

window dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
EZV-A, ELV, EPV	£46.00	£48.00	£50.00	£52.00	£54.00	£52.00	£56.00	£58.00	£61.00	£62.00	£64.00	£70.00	£60.00
EHN-A	£56.00	£58.00	£60.00	£64.00	£64.00	£62.00	£66.00	£70.00	£74.00	£74.00	£78.00	£79.00	£72.00
EZJ-A*, ELJ*	£64.00	£68.00	£70.00	£70.00	£74.00	£72.00	£76.00	£80.00	£84.00	£86.00	£90.00	£90.00	£84.00
EZV-A/C, ELV/C, EPV/C	£66.00	£72.00	£78.00	£78.00	£80.00	£80.00	£82.00	£82.00	£85.00	£91.00	£97.00	£100.00	£99.00
EHN-A/C	£80.00	£85.00	£89.00	£89.00	£92.00	£90.00	£96.00	£96.00	£99.00	£103.00	£109.00	£115.00	£112.00
EZJ-A/C*, ELJ/C*	£85.00	£91.00	£97.00	£97.00	£103.00	£103.00	£105.00	£105.00	£113.00	£120.00	£125.00	£129.00	£133.00
EFW (Kerb)	£236.00	£238.00	£246.00	£248.00	£250.00	£254.00	£278.00	£290.00	£290.00	£300.00	£304.00	£324.00	£336.00
EHV-AT**, EPV-T ***	£81.00	£91.00	£96.00	£96.00	£98.00	£98.00	£103.00	£108.00	£111.00	£116.00	£116.00	£122.00	£117.00
ELV-T***, ESV-T***	£77.00	£87.00	£91.00	£91.00	£93.00	£93.00	£98.00	£103.00	£106.00	£112.00	£112.00	£117.00	£112.00

* Remember flashings are used only where the roof window is to be positioned lower (up to 30mm) in the roof line

** flashing for flat, profiled and high profiled roof coverings (up to 90mm profile depth)

*** available to individual order

ALL PRICES EXCLUDE VAT



FLASHINGS FOR WINDOWS WITH RAISED AXIS OF ROTATION (PROSKY)

	78x140 07	78x160 13	78x180 40	78x206 42	94x140 09	94x160 80	94x180 41	94x206 43
ELV, EZV-A for FYP-V	£58.00	£70.00	£88.00	£99.00	£62.00	£66.00	£101.00	£112.00
EHN-A for FYP-V	£70.00	£79.00	£99.00	£111.00	£74.00	£80.00	£114.00	£127.00
ELV/C, EZV-A/C for FYP-V/C*	£82.00	£100.00	£114.00	£131.00	£91.00	£107.00	£132.00	£147.00
EHN-A/C for FYP-V/C*	£96.00	£115.00	£129.00	£144.00	£103.00	£117.00	£148.00	£165.00

FLASHINGS FOR WINDOWS WITH RAISED AXIS OF ROTATION (DUET PROSKY)

	78x186 CA	78x206 CB	78x235 CC	94x186 DA	94x206 DB	94x235 DC
ELV, EZV-A for FDY-V	£91.00	£103.00	£113.00	£109.00	£116.00	£129.00
EHN-A for FDY-V	£103.00	£113.00	£124.00	£119.00	£130.00	£142.00
ELV/C, EZV-A/C for FDY-V/C*	£118.00	£133.00	£146.00	£140.00	£152.00	£167.00
EHN-A/C for FDY-V/C*	£130.00	£146.00	£158.00	£152.00	£168.00	£183.00

*Conservation style

FLASHING FOR JOINING WINDOWS IN COMBINATIONS

Flashing systems are ready made flashing combinations for joining windows in the groups: horizontally, vertically, and in a block. The distance between the 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.



B2/1
horizontal
combination



B1/2
vertical
combination



B2/2
block
combination

THE MOST POPULAR FLASHING COMBINATIONS FOR PROFILED ROOF COVERINGS*

window dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
2 Piece Combinations <u>B2/1, B1/2</u> EZV-A. ELV. EPV	£115.00	£120.00	£125.00	£130.00	£135.00	£130.00	£140.00	£145.00	£152.50	£155.00	£160.00	£175.00	£150.00
EZV-A/C. ELV/C. EPV/C	£165.00	£180.00	£195.00	£195.00	£200.00	£200.00	£205.00	£205.00	£212.50	£227.50	£242.50	£250.00	£247.50
3 Piece Combinations <u>B3/1, B1/3</u> EZV-A. ELV. EPV	£172.50	£180.00	£187.50	£195.00	£202.50	£195.00	£210.00	£217.50	£228.75	£232.50	£240.00	£262.50	£225.00
EZV-A/C. ELV/C. EPV/C	£247.50	£270.00	£292.50	£292.50	£300.00	£300.00	£307.50	£307.50	£318.75	£341.25	£363.75	£375.00	£371.25
4 Piece Combinations <u>B2/2</u> EZV-A. ELV. EPV	£230.00	£240.00	£250.00	£260.00	£270.00	£260.00	£280.00	£290.00	£305.00	£310.00	£320.00	£350.00	£300.00
EZV-A/C. ELV/C. EPV/C	£330.00	£360.00	£390.00	£390.00	£400.00	£400.00	£410.00	£410.00	£425.00	£455.00	£485.00	£500.00	£495.00
6 Piece Combinations <u>B3/2, B2/3</u> EZV-A. ELV. EPV	£345.00	£360.00	£375.00	£390.00	£405.00	£390.00	£420.00	£435.00	£457.50	£465.00	£480.00	£525.00	£450.00
EZV-A/C. ELV/C. EPV/C	£495.00	£540.00	£585.00	£585.00	£600.00	£600.00	£615.00	£615.00	£637.50	£682.50	£727.50	£750.00	£742.50

COMBINATION SYSTEM FLASHING FOR HIGH PROFILED ROOF COVERING UP TO 90 MM

window dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
2 Piece Combinations <u>B2/1, B1/2</u> EHN-A	£140.00	£145.00	£150.00	£160.00	£160.00	£155.00	£165.00	£175.00	£185.00	£185.00	£195.00	£197.50	£180.00
EHN-A/C	£200.00	£212.50	£222.50	£222.50	£230.00	£225.00	£240.00	£240.00	£247.50	£257.50	£272.50	£287.50	£280.00
3 Piece Combinations <u>B3/1, B1/3</u> EHN-A	£210.00	£217.50	£225.00	£240.00	£240.00	£232.50	£247.50	£262.50	£277.50	£277.50	£292.50	£296.25	£270.00
EHN-A/C	£300.00	£318.75	£333.75	£333.75	£345.00	£337.50	£360.00	£360.00	£371.25	£386.25	£408.75	£431.25	£420.00
4 Piece Combinations <u>B2/2</u> EHN-A	£280.00	£290.00	£300.00	£320.00	£320.00	£310.00	£330.00	£350.00	£370.00	£370.00	£390.00	£395.00	£360.00
EHN-A/C	£400.00	£425.00	£445.00	£445.00	£460.00	£450.00	£480.00	£480.00	£495.00	£515.00	£545.00	£575.00	£560.00
6 Piece Combinations <u>B3/2, B2/3</u> EHN-A	£420.00	£435.00	£450.00	£480.00	£480.00	£465.00	£495.00	£525.00	£555.00	£555.00	£585.00	£592.50	£540.00
EHN-A/C	£600.00	£637.50	£667.50	£667.50	£690.00	£675.00	£720.00	£720.00	£742.50	£772.50	£817.50	£862.50	£840.00

*ELV, ELV/C - slate and flat tiles,

EZV-A, EZV-A/C - profiled tiles and metal roof up to 45 mm depth

EPV, EPV/C - plain tiles, shingles

Note: The distance between windows joined horizontally and vertically is normally 10cm. If external shutters are installed on windows installed vertically, a gap of at least 20cm is required. Other sized gaps can be manufactured for further information please contact Customer Services or email.

ALL PRICES EXCLUDE VAT

ROOF WINDOW ACCESSORIES

FAKRO roof window accessories combine quality, choice of design and ease of fitting with lasting performance. A wide range of styles and colours ensure that you can select blinds to suit any interior décor. Venetian, pleated, blackout and ARP roller blinds are supplied in aluminium cassettes that fit within the window sash to provide an effective light screen. Material swatches can be seen in greater detail in the FAKRO Roof Window Accessories brochure which can be downloaded from www.fakro.co.uk. In addition, you can request a colour swatch by phoning our Sales Office on 01283 554755 and order using our online shop.



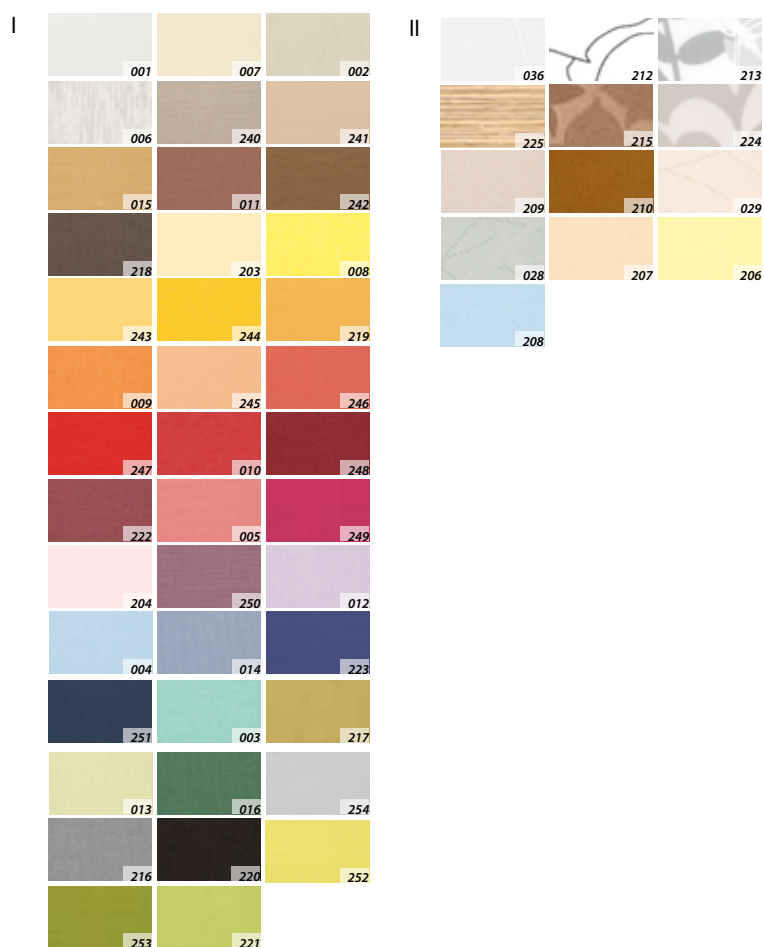
**Venetian
blind
AJP**

- ability to control the amount of incoming light to the room
- control the direction of light entering by changing the angle of the slats



**roller
blind
standard
ARS**

- protection from light
- can position the blind in three different positions



You will see 3 price groups: Price Group I consists predominantly of plain colours while those in Groups II and III offer a wide range of patterns. With external awning blinds, Group II products are also made using a closer density fabric which greatly reduces the amount of light which can pass through it.

Note: When looking at blinds on any website other than www.fakro.co.uk we recommend that you check with us as some show our logo but DO NOT sell genuine FAKRO products.



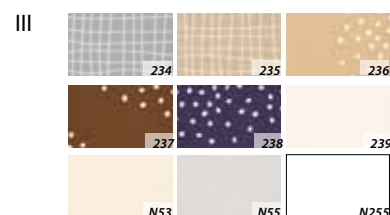
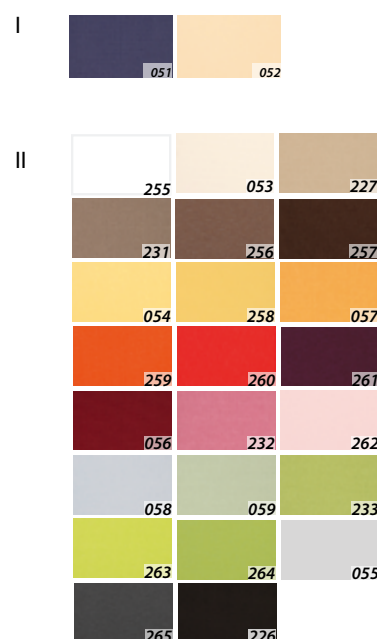
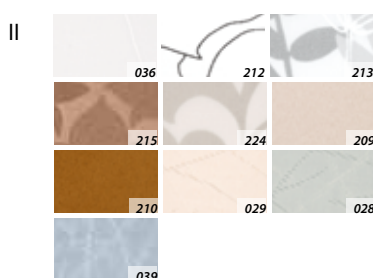
dimming roller blinds ARP

- protection against sunlight during sunny days
- possibility to lock the blind in any position



blackout blinds ARF Sunset

- very good protection from sunlight
- the possibility of darkening the room
- possibility to lock the blind in any position
- partial protection from solar heat

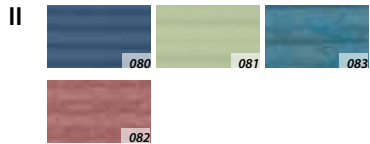


patterns N53, N55 and N255 are fire retardant fabric



**pleated
blinds
APS**

- provide a soft and diffused light into the room
- possibility to lock the blind in any position



**Insect
screen
AMS**

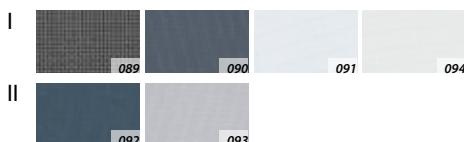
- protection against insects
- minimum shading of the room
- can be installed with other internal and external accessories



awning blind

AMZ

- **8 times more efficient against room overheating**
- optimal protection against room overheating
- effective shading of the interior while providing visibility
- convenient, the awning blind can cover the window for a whole summer without the need to roll it up and down every day



external roller shutter

ARZ

- effective protection against burdensome heat
- reducing heat loss in winter
- darkening the room
- makes break-in attempts more difficult



INTERNAL ACCESSORIES

windows external dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
AJP-E I Venetian <small>Group I (Electric)</small>	-	-	-	£212.00	£214.00	£215.00	£220.00	£224.00	£225.00	£232.00	£233.00	£241.00	£232.00
AJP-E II Venetian <small>Group II (Electric)</small>	-	-	-	£220.00	£221.00	£222.00	£223.00	£228.00	£228.00	£236.00	£236.00	£245.00	£239.00
AJP I Venetian <small>Group I</small>	£62.00	£64.00	£67.00	£67.00	£72.00	£69.00	£74.00	£79.00	£80.00	£84.00	£87.00	£92.00	£84.00
AJP II Venetian <small>Group II</small>	£70.00	£78.00	£81.00	£81.00	£86.00	£81.00	£86.00	£91.00	£97.00	£102.00	£102.00	£120.00	£102.00
ARS I Roller <small>Group I</small>	£39.00	£39.00	£42.00	£42.00	£43.00	£45.00	£46.00	£47.00	£48.00	£49.00	£56.00	£58.00	£56.00
ARS II Roller <small>Group II</small>	£63.00	£64.00	£76.00	£77.00	£78.00	£80.00	£81.00	£82.00	£86.00	£88.00	£92.00	£94.00	£90.00
ARP I Roller <small>Group I</small>	£60.00	£60.00	£73.00	£73.00	£73.00	£76.00	£76.00	£76.00	£84.00	£84.00	£91.00	£96.00	£91.00
ARP II Roller <small>Group II</small>	£65.00	£65.00	£79.00	£79.00	£79.00	£82.00	£82.00	£82.00	£91.00	£91.00	£99.00	£107.00	£99.00
ARP-E I Roller <small>Group I (Electric)</small>	£180.00	£183.00	£186.00	£186.00	£189.00	£189.00	£194.00	196.00	£198.00	£201.00	204.00	£207.00	£204.00
ARP-E II Roller <small>Group II (Electric)</small>	£187.00	£190.00	£193.00	£193.00	£196.00	£196.00	£200.00	£203.00	£203.00	£208.00	208.00	£213.00	£208.00
ARF-E I Blackout <small>Group I (Electric)</small>	£180.00	£183.00	£186.00	£186.00	£189.00	£189.00	£194.00	£196.00	£198.00	£201.00	£204.00	£207.00	£204.00
ARF-E II Blackout <small>Group II (Electric)</small>	£187.00	£190.00	£193.00	£193.00	£196.00	£196.00	£200.00	£203.00	£203.00	£208.00	£208.00	£213.00	£208.00
ARF-E III Blackout <small>Group III (Electric)</small>	£193.00	£196.00	£199.00	£199.00	£201.00	£201.00	£206.00	£209.00	£209.00	£214.00	£217.00	£220.00	£217.00
ARF I Blackout <small>Group I</small>	£68.00	£69.00	£84.00	£84.00	£84.00	£86.00	£89.00	£94.00	£101.00	£101.00	£104.00	£118.00	£104.00
ARF II Blackout <small>Group II</small>	£79.00	£79.00	£91.00	£91.00	£91.00	£94.00	£97.00	£101.00	£109.00	£112.00	£115.00	£128.00	£115.00
ARF III Blackout <small>Group III</small>	£84.00	£84.00	£99.00	£99.00	£99.00	£101.00	£104.00	£110.00	£118.00	£123.00	£125.00	£140.00	£125.00
APS I Pleated <small>Group I</small>	£55.00	£58.00	£61.00	£61.00	£63.00	£66.00	£68.00	£73.00	£76.00	£79.00	£81.00	£86.00	£84.00
APS II Pleated <small>Group II</small>	£60.00	£63.00	£68.00	£68.00	£71.00	£74.00	£76.00	£84.00	£89.00	£94.00	£97.00	£102.00	£99.00
AMS 200 Insect screen	£100.00	£102.00	£105.00	£105.00	£105.00	£112.00	£112.00	£112.00	£118.00	£118.00	£118.00	£118.00	£123.00
AMS 250 Insect screen	-	-	-	£107.00	£107.00	£115.00	£115.00	£115.00	£121.00	£121.00	£136.00	£136.00	-

Note: Only internal accessories available for FYP, FDY roof windows. More information available upon request.

Electric blinds need an electrical kit purchased as well on a manual window. Not all internal and external blinds for FTU U6 and FTU8 windows are available more information upon request.

Note: Blinds for FTU U5 roof windows must be ordered specifically for those windows as standard blinds will not fit.

EXTERNAL ACCESSORIES

AWNING BLINDS FOR PIVOT WINDOWS (FT, PT) AND TOP HUNG AND PIVOT WINDOWS (FP, PP preSelect*)													
windows external dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
AMZ I <small>Group I</small>	£55.00	£55.00	£58.00	£58.00	£66.00	£68.00	£68.00	£71.00	£76.00	£84.00	£86.00	£94.00	£92.00
AMZ II <small>Group II</small>	£60.00	£60.00	£65.00	£65.00	£73.00	£76.00	£76.00	£84.00	£89.00	£94.00	£100.00	£107.00	£102.00

EXTERNAL ROLLER SHUTTER: ARZ-H FOR PIVOT WINDOWS (FT), ARZ-E FOR PIVOT WINDOWS (FT, PT) AND TOP HUNG AND PIVOT WINDOWS (FP, PP preSelect*)													
windows external dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
ARZ-H	£294.00	£300.00	£308.00	£308.00	£321.00	£317.00	£331.00	£331.00	£344.00	£358.00	£361.00	£374.00	£365.00
*ARZ - E (No Switch)	£294.00	£299.00	£308.00	£308.00	£323.00	£317.00	£333.00	£344.00	£346.00	£358.00	£361.00	£374.00	£364.00
*ARZ - Solar	£613.00	£624.00	£634.00	£634.00	£650.00	£650.00	£660.00	£674.00	£682.00	£692.00	£698.00	£716.00	£698.00

* retaining 20 cm distance between the windows in vertical position

ACCESSORIES FOR OPENING WINDOWS



Handle with ZBH lock



ZBB window restrictor



ZBL window lock



ZSZ control rod for operating awning blinds, length 150cm



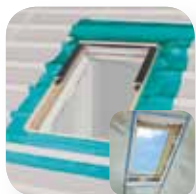
ZST telescopic control rod enables the user to operate ARS, ARF, AJP, AMS. It also enables easy opening and closing of windows.

ACCESSORIES FOR OPENING WINDOWS

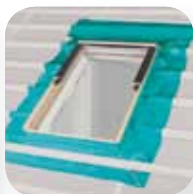
ZBH	ZBB	ZST	ZSP	ZSZ	ZBL
£30.00	£33.00	£35.00	£25.00	£30.00	£30.00

INSTALLATION ACCESSORIES

FAKRO installation accessories guarantee quick and easy connection between the roof window and the roof construction. Using XDP insulating set and XDS air-tight flashing ensures the complete protection of a fitted roof window. The installation accessories reduce the risk of thermal bridging and guarantee the proper draining of any moisture around the FAKRO window. Using original installation accessories will allow the proper use of the windows for many years.



XDK (XDP + XDS)
set of insulating collars



XDP
insulation set



XDS
air tight collar



XLW
lining



XWT
insulation band



XSP, XSW
duet slats

INSTALLATION ACCESSORIES

window external dimensions [cm] size symbol	55x78 01	55x98 02	55x118 16	66x98 03	66x118 04	78x98 05	78x118 06	78x140 07	94x118 08	94x140 09	114x118 10	114x140 11	134x98 12
XDK	£48.00	£48.00	£48.00	£48.00	£48.00	£48.00	£48.00	£53.00	£53.00	£53.00	£53.00	£53.00	£53.00
XDP	£27.00	£27.00	£27.00	£27.00	£27.00	£27.00	£27.00	£30.00	£30.00	£30.00	£30.00	£30.00	£30.00
XDS	£29.00	£29.00	£29.00	£29.00	£29.00	£29.00	£29.00	£32.00	£32.00	£32.00	£32.00	£32.00	£32.00
XLW-F 40 & XLW-P 40	£104.00	£111.00	£113.00	£113.00	£121.00	£121.00	£126.00	£133.00	£133.00	£138.00	£138.00	£143.00	£143.00
XLW-F 30 & XLW-P 30	£88.00	£91.00	£93.00	£93.00	£98.00	£98.00	£103.00	£108.00	£108.00	£113.00	£113.00	£118.00	£118.00
XWT	£30.00	£30.00	£30.00	£30.00	£30.00	£30.00	£30.00	£35.00	£35.00	£35.00	£35.00	£35.00	£35.00
XSP, XSW (Horizontal)	£15.00	£15.00	£15.00	£15.00	£15.00	£18.00	£18.00	£18.00	£20.00	£20.00	£23.00	£23.00	£25.00

OTHER PRODUCTS

Solar Panels

FAKRO solar panels can be installed either independently or together with FAKRO roof windows in visually appealing combinations using standard flashings. Solar panels are becoming increasingly popular as an eco-friendly way of harnessing the sun's energy to heat water.



SOLAR SYSTEMS KITS				
external dimensions [cm]	114x206	114x140	114x118	78x140
combinations				
solar system kit	B3/1 44	B3/1 11	B3/1 10	B3/1 07
Collector area (m²)	7.08	4.83	4.05	3.27
Absorption area (m²)	6.21	4.08	3.39	2.73
	£4820.00	£4180.00	£4050.00	£3670.00

Includes: collectors, flashing, seals, cylinder, pump, control unit, expansion tank, glycol, mixing valve, flow & return pipes (10m), collector connector

Other solar systems available

ROOF ONLY SOLAR SYSTEMS KITS (SKW)				
external dimensions [cm]	114x206	114x140	114x118	78x140
combinations				
	B3/1 660ZH	B4/1 660ZK	B4/1 660ZN	B5/1 660ZT
combinations				
size symbol	44	B2/2 660ZL 11	B2/2 660ZP 10	07
Collector area (m²)	7.08	6.44	5.40	5.45
Absorption area (m²)	6.21	5.44	4.52	4.55
	£2270.00	£2290.00	£2040.00	£2490.00

Includes: collectors, flashing, seals, flow & return pipes (1.8m), collector connector
Possible installation range 30° - 90°
Other roof only solar systems available

Light Tunnels

In order to supply interior with natural light where there are no opportunities to install roof or vertical windows, an effective solution can be a light tunnel. Thanks to the light tunnel, the natural light gets into the building illuminating its interior. Dimly lit interiors without access to the natural light can become light and comfortable to use.

There are two types of light tunnels available: SRT with rigid light transmitting tube and SLT with flexible light transmitting tube. Flashings enable installation of light tunnels in nearly every roof covering and even in flat roofs.

Note: SLT Plus Light tunnel includes 300cm of tubing, flashing and a light, a bulb not included.

Please specify which flashing (slate or tile) when ordering.

SRT Plus Light tunnel includes the tunnel, flashing and a light, bulb not included.

Please specify which flashing (slate or tile) when ordering.

Note: Prices for flat roof system are available on request.



Price of Light Tunnels

SLT With standard flashing		SLT Plus With lamp and standard flashing		Diameter/Tube length [cm]
35/200	55/200	35/300	55/300	
£250.00	£312.00	£272.00	£355.00	

SRT With standard flashing		SRT Plus With lamp and standard flashing		Diameter/Tube length [cm]
25/200	35/200	25/200	35/200	
£250.00	£290.00	£295.00	£335.00	



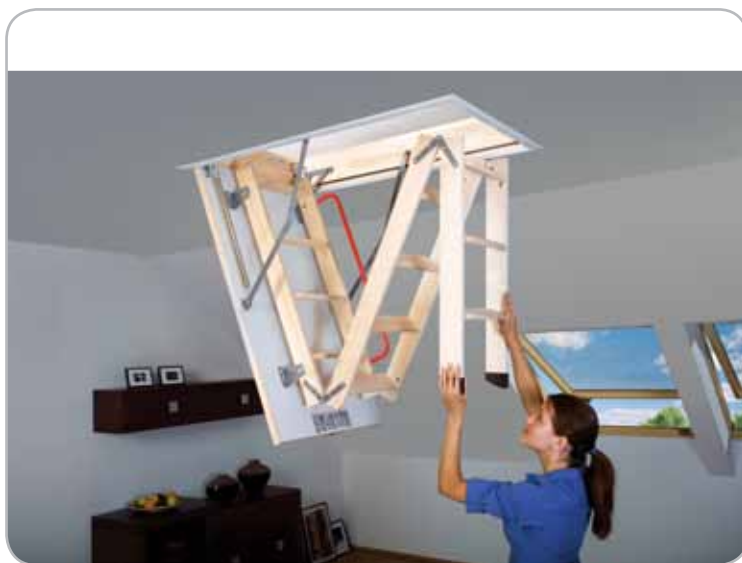
ALL PRICES EXCLUDE VAT

LOFT LADDERS

FAKRO 3 and 4-part folding loft ladders have been designed to combine exceptional quality and value with ease of installation and use. Timber ladders are made exclusively using the same close-grain, redwood pine as that used for FAKRO roof windows and supplied either with an integral 36mm insulated hatch (U-value of 1.1 W/m²K) or, with the **LTK Thermo**, a 60mm hatch (U-value 0.76W/m²K). Pine ladders have an edge-sealed pine frame and an adjustable spring mechanism which makes opening and closing easy and locks the ladder in position when open.

Hatches are of white or beige HDF while treads, which have grooves cut into them for added safety, are fitted to the legs using dovetail joints. Up to 13 standard hatch options are available, with non-standard sizes available for the **LWS Smart** and **LWK Komfort**.

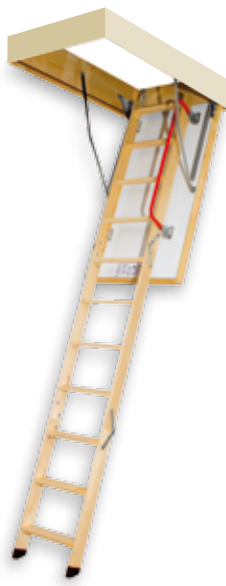
The **LMF** folding metal loft ladder offers an exceptional fire rating of 120 minutes. Specially designed hinges and springs ensure that it can be opened and closed quickly while providing a load bearing capability of up to 200kg. Installed in the same manner as our pine ladders, the **LMF** is fitted with a steel supporting frame and fully adjustable legs. 13cm wide anti-slip treads offer improved safety while an additional step at the top provides greater convenience when exiting the loft.



LWK Komfort



LTK Thermo



LMF



LST



WINDOW SIZES AT A GLANCE

Simply check the height and width dimensions for your chosen window, and see the choice of products available based on the U3 glazing unit.

HEIGHT in cm	WIDTH in cm					
	55	66	78	94	114	134
60			FNP U3*	FNP U3*	FNP U3*	FNP U3*
78	FTP-V U3 PTP U3	FWR U3 FWL U3 FTP-V U3 PTP U3	FNP/D U3* FTP-V U3 PTP U3	FNP/D U3* FTP-V U3 PTP U3	FNP/D U3* FTP-V U3 PTP U3	FNP/D U3* FTP-V U3 PTP U3
98	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FWR U3 FWL U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FWR U3 FWL U3	FWL U3	FTP-V U3 PTP-V U3 PTP U3	FTP-V U3 FPP-V U3
118	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FHP FWR U3 FWL U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FHP FWR U3 FWL U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FHP FWR U3 FWL U3	FTP-V U3 FPP-V U3 PTP U3 FSP FWR U3 FWL U3	FTP-V U3 PTP-V U3 PTP U3
140	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FHP FWR U3 FWL U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FHP FWR U3 FWL U3	FTP-V U3 FPP-V U3 PTP U3 PPP-V U3 FSP	
160			FYP-V U3 FTP-V U3 PTP-V U3 PTP U3	FYP-V U3 FTP-V U3 PTP-V U3** PTP U3**		
180			FYP-V U3	FYP-V U3		
186			FDY-V U3	FDY-V U3		
206			FDY-V U3 FYP-V U3	FDY-V U3 FYP-V U3		
235			FDY-V U3***	FDY-V U3***		
255			FDY-V U3***	FDY-V U3*** FGH-V P2		

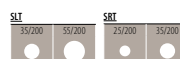
HEIGHT in cm	WIDTH in cm			HEIGHT in cm	WIDTH in cm	
	78	94	114		46	54
60	BDL L3 BDR L3 BXP L3	BXP L3	BXP L3	55	WGT	
75	BDL L3 BDR L3 BXP L3	BDL L3 BDR L3 BXP L3		61	WGT/C	
95	BDL L3 BDR L3	BDL L3 BDR L3	BDL L3 BDR L3	75	WGT WGI	
				98		WU/C

Flat Roof Windows

HEIGHT in cm	WIDTH in cm					
	55	66	78	94	114	134
78	EFW					
98	EFW	EFW	EFW			EFW
118		EFW	EFW	EFW	EFW	
140			EFW	EFW	EFW	

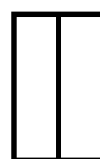
Fakro Light Tunnels

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 U3, PTP U3 recommended for the roofs with pitch from 25 degree

*** Available to individual orders. Prices on request.



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Fakro reserves the right to change specifications and technical parameters of products without prior notice.