



RENOVATION WINDOWS  
FOR FLAT  
ROOFS

DXA, DEA  
Rooflight  
Systems

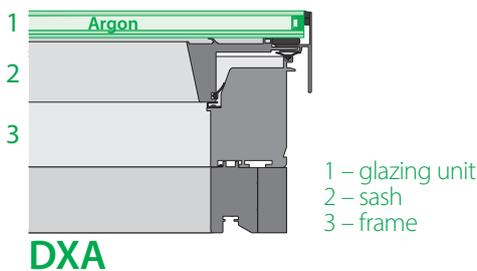


# RENOVATION WINDOWS FOR FLAT ROOFS\*\*

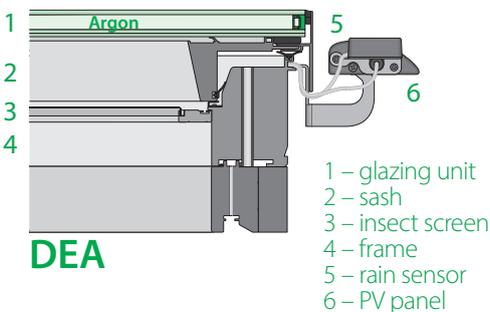
We present a new line of DXA and DEA renovation rooflights – innovative solutions designed for illuminating interior spaces located beneath flat roofs. These rooflight units perform exceptionally well both in residential buildings and in warehouse or industrial hall environments. Available in over 50 of the most common sizes, as well as in custom dimensions upon request, they offer excellent operational parameters at a competitive price point. Their key advantage is the ability to be installed on both newly manufactured and existing upstands without the need for modifying the flashing or roof structure, making them an ideal choice for renovating older buildings.

## DXA, DEA FLAT ROOF SKYLIGHTS

FAKRO rooflights represent a modern solution that provides excellent daylighting for interior spaces located beneath flat roofs, combining both aesthetics and functionality. Available in contemporary cladding colours — grey-brown RAL 7022, anthracite RAL 7016, and black RAL 9005 (standard) — they seamlessly align with current architectural and colour design trends.

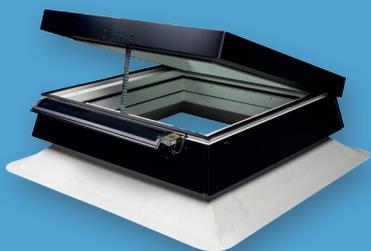


- **DXA** – a fixed (non-opening) rooflight featuring a robust sash and frame structure made of aluminium and composite materials, ensuring high thermal insulation performance. Available with a single-chamber (G33) or double-chamber (G53) solar-control glazing unit.



- **DEA** – an innovative, solar-powered opening rooflight, equipped as standard with an insect screen, a rain sensor, and a PV panel. Manufactured from aluminium and composite materials, it offers full automation and user convenience. The single-chamber (G33) or double-chamber (G53) solar-control glazing unit provides optimal thermal insulation.

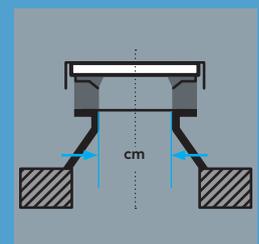
Each of our rooflights guarantees excellent build quality and enhances everyday user comfort.



### DXA and DEA flat-roof rooflights

are available in more than 50 of the most popular sizes, with the option of additionally securing the connection to the existing upstand by means of the supplied protective cover profiles. This ensures perfect compatibility with various project requirements and installation scenarios.

The nominal (commercial) size of the renovation rooflight corresponds directly to the daylight opening dimension of the upstand on which the unit is installed.



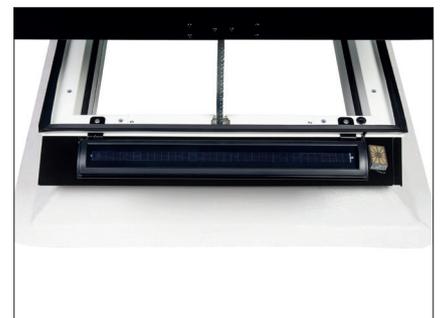
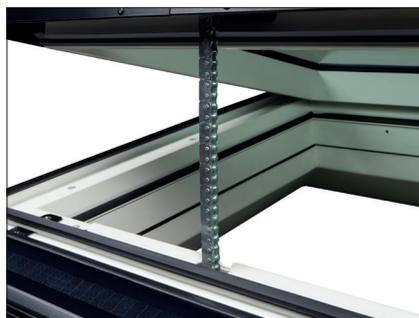
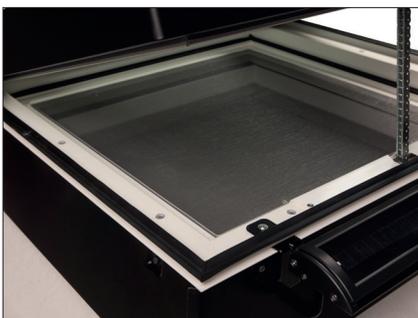
## ▶ WHEN SHOULD FLAT-ROOF WINDOWS BE REPLACED?

- **Poor thermal insulation** – If you experience significant heat loss and notice increasing heating costs, it indicates that the windows no longer meet required insulation standards.
- **Ventilation issues** – Insufficient air circulation may lead to moisture build-up inside the room and the development of mould. When the window no longer provides proper ventilation, replacement should be considered.
- **Damage or leaks** – Visible cracks, frame deformation, or water ingress clearly indicate that the window has lost its airtightness and needs to be replaced.
- **Lack of compatibility with accessories** – If older windows do not allow the installation of modern accessories such as blinds, insect screens, or rain sensors, it is worth considering a replacement.

### RENOVATION WINDOWS FOR FLAT ROOFS

insulated glazing unit (IGU)	G33 4HT10–Tg14Ar–33.2	G53 4HT10–Tg10Ar–4H–Tg8Ar–33.2
resistance to uplift loads	UL1500	UL1500
resistance to compressive loads	DL2500	DL2500
resistance to impact, large soft body	SB1200	SB1200
thermal transmittance coefficient $U_{rc}$ for the reference size (150×150 cm).	$U_{rc}=1.3 \text{ W/m}^2\text{K A:}3.8 \text{ m}^2^*$	$U_{rc}=1.1 \text{ W/m}^2\text{K A:}3.85 \text{ m}^2^*$
air permeability	Class A4	Class 3
light transmittance	0,51	0,46

\*EN 1873:2014

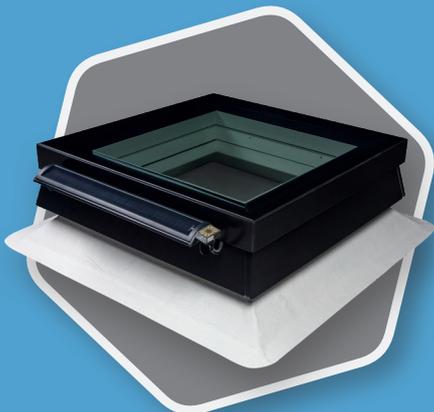


## ▶ WHY CHOOSE FAKRO RENOVATION WINDOWS FOR FLAT ROOFS?

- **Plenty of natural light** – maximise interior brightness thanks to the large glazing surface.
- **Unique design** – a frameless, elegant top glass surface that gives the product a modern appearance. A 30 mm black (RAL 9005) edge band is applied along the perimeter of the glazing unit.
- **UV protection** – full protection of interior spaces against harmful UV radiation.
- **Opening options** – choose between the fixed DXA version and the solar-powered DEA version for enhanced convenience. The actuator allows the DEA window to open up to 25 cm, ensuring effective ventilation of the room below.
- **Wide range of accessories** – customise the window according to your preferences.
- **Size availability** – available in several dozen standard sizes.
- **Perfect compatibility** – designed specifically for flat roofs with a pitch between 0° and 15°.
- **Easy installation** – fast and trouble-free installation, ideal for renovation projects.
- **Non-standard sizes available** – D\_A windows can be manufactured in custom dimensions to suit unique architectural requirements.
- **Solar-control glazing unit** – the external toughened pane reflects solar radiation, protecting interiors from overheating.
- **Rich standard equipment** – the solar DEA version is equipped as standard with an integrated insect screen, ZRH1 remote control, PV panel, and rain sensor.

Choose modernity and functionality by replacing old windows with the latest solutions designed specifically for flat roofs.

Renovation windows for flat roofs are designed for roof pitches ranging from 0° to 15°. They can be installed on roofs of various constructions, directly on new as well as existing upstands. Installing the window on an old upstand does not require any interference with the existing flashing. Before installing the D\_A renovation window on an existing upstand, it is essential to ensure that the upstand is in good condition, capable of bearing the weight of the new window, and free from damage such as cracks or material delamination.



Replacing old windows with new units will improve the thermal comfort, safety, and overall functionality of your building.

Explore the full range of FAKRO flat-roof windows, which combine modern design and functionality with excellent insulation performance. By choosing our products, you invest in high quality, safety, and everyday user comfort.

## RENOWACYJNE OKNA DO DACHÓW PŁASKICH

window size [cm]	40x40	40x70	40x100	40x130	40x140	45x45	45x75	45x105	50x50	50x70	50x80	50x100	50x110	50x140
(clear opening size)														
glazed area [m <sup>2</sup> ]	0,13	0,23	0,34	0,45	0,48	0,16	0,29	0,41	0,21	0,30	0,34	0,44	0,48	0,62
<b>DXA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JU0A	80JU0B	80JU0C	80JU0D	80JU0E	80JU0F	80JU0G	80JU0H	80JU0J	80JU0K	80JU0L	80JU0M	80JU0N	80JU0P
<b>DEA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	-	-	-	-	-	-	-	80JS0J	80JS0K	80JS0L	80JS0M	80JS0N	80JS0P
<b>DXA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JW0A	80JW0B	80JW0C	80JW0D	80JW0E	80JW0F	80JW0G	80JW0H	80JW0J	80JW0K	80JW0L	80JW0M	80JW0N	80JW0P
<b>DEA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	-	-	-	-	-	-	-	80JT0J	80JT0K	80JT0L	80JT0M	80JT0N	-

window size [cm]	50x170	55x55	60x60	60x80	60x90	60x120	60x130	60x150	60x180	60x200	70x70	70x100	70x130	70x150
(clear opening size)														
glazed area [m <sup>2</sup> ]	0,75	0,26	0,31	0,42	0,48	0,64	0,70	0,81	0,98	1,09	0,43	0,63	0,82	0,95
<b>DXA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JU0Q	80JU0R	80JU0S	80JU0T	80JU0U	80JU0W	80JU0X	80JU0Y	80JU0Z	80JU1A	80JU1B	80JU1C	80JU1D	80JU1E
<b>DEA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	80JS0Q	80JS0R	80JS0S	80JS0T	80JS0U	80JS0W	80JS0X	80JS0Y	-	-	80JS1B	80JS1C	-	-
<b>DXA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JW0Q	80JW0R	80JW0S	80JW0T	80JW0U	80JW0W	80JW0X	80JW0Y	80JW0Z	80JW1A	80JW1B	80JW1C	80JW1D	80JW1E
<b>DEA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	80JTOR	80JTOS	80JTOT	80JT0U	-	-	-	-	-	80JT1B	-	-	-

window size [cm]	70x160	70x200	70x220	75x75	75x105	75x125	75x165	75x175	80x80	80x110	80x130	80x140	80x160	80x170
(clear opening size)														
glazed area [m <sup>2</sup> ]	1,02	1,28	1,41	0,50	0,71	0,85	1,13	1,20	0,57	0,80	0,95	1,02	1,18	1,25
<b>DXA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JU1F	80JU1G	80JU1H	80JU1J	80JU1K	80JU1L	80JU1M	80JU1N	80JU1P	80JU1Q	80JU1R	80JU1S	80JU1T	80JU1U
<b>DEA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	-	-	80JS1J	80JS1K	80JS1L	-	-	80JS1P	80JS1Q	-	-	-	-
<b>DXA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JW1F	80JW1G	80JW1H	80JW1J	80JW1K	80JW1L	80JW1M	80JW1N	80JW1P	80JW1Q	80JW1R	80JW1S	80JW1T	80JW1U
<b>DEA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	-	-	80JT1J	-	-	-	-	80JT1P	-	-	-	-	-

window size [cm]	80x180	85x85	90x90	90x120	90x150	100x100	100x130	100x150	100x160	105x105	110x110	110x140	120x120
(clear opening size)													
glazed area [m <sup>2</sup> ]	1,33	0,65	0,73	0,99	1,25	0,91	1,20	1,39	1,49	1,01	1,11	1,43	1,34
<b>DXA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JU1W	80JU1X	80JU1Y	80JU1Z	80JU2A	80JU2B	80JU2C	80JU2D	80JU2E	80JU2F	80JU2G	80JU2H	80JU2J
<b>DEA G33</b> U=1,7 W/m <sup>2</sup> K* Urc=1,3 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	80JS1X	80JS1Y	-	-	80JS2B	-	-	-	80JS2G***	80JS2H***	80JS2J***	-
<b>DXA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,8 m <sup>2</sup> **	80JW1W	80JW1X	80JW1Y	80JW1Z	80JW2A	80JW2B	80JW2C	80JW2D	80JW2E	80JW2F	80JW2G	80JW2H	80JW2J
<b>DEA G53</b> U=1,5 W/m <sup>2</sup> K* Urc=1,1 W/m <sup>2</sup> K A:3,85 m <sup>2</sup> **	-	-	-	-	-	-	-	-	-	80JT2G***	80JT2H***	80JT2J***	-

\*wg. EN1873:2005

\*\*\*sizes available in 2026/confirm before ordering

\*\* wg EN 1873+A1:2016-03.



Location of hinges and actuators in DEA opening windows.

<sup>1</sup> For DEA windows in sizes 110x110, 110x140, and 120x120, two actuators are used.







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