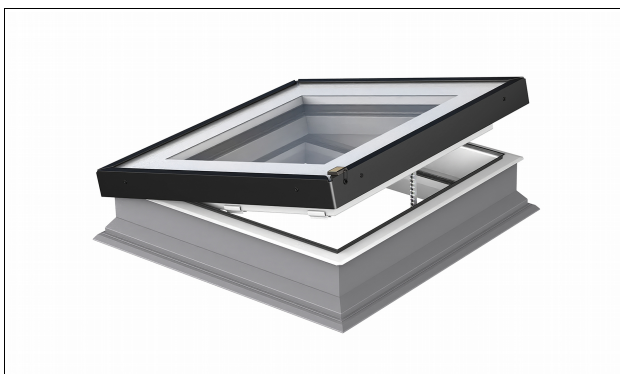




DEG P2

ELECTRICALLY OPENED FLAT ROOF WINDOW WITH DOUBLE P2 GLAZING UNIT

I. APPLICATION

Plastic window/skylight with the base intended for flat roofs.



Parameter	Value/Type	Marking
Roof angle	2° - 15° 5° - 15° (140x140, 120x220)	
Roofing base type	membrane, roofing felt paper, green roofs, gravel roofs	-

IV. TECHNICAL PARAMETERS

Parameter	Unit	Value	Harmonized standard
U_w	[W/m²K]	0,92	EN 14351-1:2006+A2:2016
U_f	[W/m²K]	0,78	
ψ	[W/mK]	0,030	
R_w	[dB]	36 (-1,-4)	
Wind load resistance		Class C5/B5*	
Snow load resistance		4H-14-33.2 + 4H 4H-14-33.2 + 6H	
Resistance to fire		B-s2, d0	
Resistance to external fire		B _{Roof} (t1)	
Watertightness Unshielded (A)		E1200	
Impact resistance		Class 5 – 950 mm	
Load bearing capacity of safety devices		npd*	EN 1279-5 + A2:2010
Air permeability		Class 4	
U_g	[W/m²K]	1,1	
T_v	[%]	64	
g	[%]	49 (a) 48 (b)	
Glazing unit***		4H – Tg14Ar- 33.2T + 4H (a) 4H – Tg14Ar – 33.2T + 6H (b)	

* for the windows with the width of >120 cm and height of >120 cm

** no performance determined

*** depend on window size

V. DECLARATION OF PERFORMANCE

Harmonized standard for the product	Marking	Declaration of Performance No.
EN14351-1:2006 +A2:2016	CE	RDG82/CPR/14351/xx*

* - declaration's release year, eg. RDG82/CPR/14351/21 released in 2021

II. WINDOW SET ELEMENTS

NO.	Element	Quantity	Description
1.	Sash equipped with glazing unit, frame is base of the window	1	P2 - anti-burglary Multi-chamber PVC profile.
2.	Assembly set	1	
3.	Profiles mounting roofing	4	Profiles mechanically mounting roofing to the frame
4.	Remote control	1	Single channel Z-Wave radio controller ZRH1.
5.	Servo-motor	1 2*	ZWS12 servo-motor, power voltage 15V, compatible with Z-Wave system, maximum sash tilt: 120mm * for sizes from 120x120
6.	Supply unit	1	ZZ60h supply unit
7.	Rain sensor	1	

III. SIZES

		Window width A= from 60 to 200 cm																
		60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220
Window height B= from 60 to 220 cm	60	0,23																
	70		0,33															
	80			0,46														
	90				0,6													
	100					0,77												
	110																	
	120				0,83			1,16										
	130																	
	140									1,63								
	150										1,21							
	160																	
	170																	
	180																	
	190																	
	200																	
	210																	
	220																	

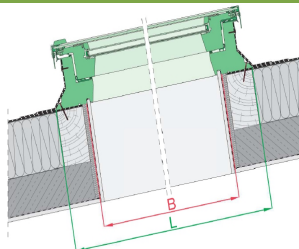
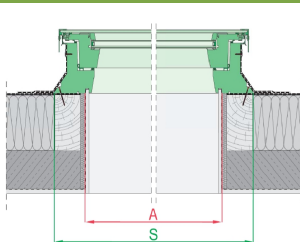
0,23 - size available to manufacture

size not possible to manufacture

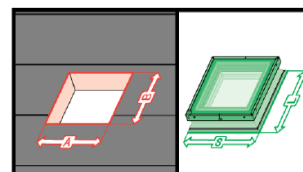
effective glazing area, standard size

There are available 11 standard sizes. It is possible to manufacture any size from the range given in the table below.

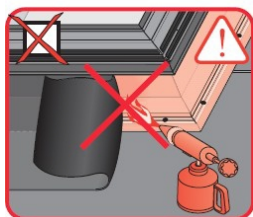
VI. ASSEMBLY INFORMATION



Window commercial size is an opening size in the roof (size A, B). Tolerance of the opening dimensions within +5 cm per side is possible.



Do not heat up PVC profiles



DEG	A	B	S	L
	[mm]		[mm]	
60x60	600-650	600-650	820	820
60x90	600-650	900-950	820	1120
70x70	700-750	700-750	920	920
80x80	800-850	800-850	1020	1020
90x90	900-950	900-950	1120	1120
90x120	900-950	1200-1250	1120	1420
100x100	1000-1050	1000-1050	1220	1220
120x120	1200-1250	1200-1250	1420	1420
140x140	1400-1450	1400-1450	1620	1620
100x150	1000-1050	1500-1550	1220	1720
120x220	1200-1250	2200-2250	1420	2420

VII. DETAILED SIZES

Window size [cm]	Size symbol	Frame external size S x L	Distance between lining grooves p x q	Glazing size j x k	Height h
		[mm]			
60 x 60	01K	820 x 820	558 x 558	476 x 476	190
60 x 90	02K	820 x 1120	558 x 858	476 x 776	190
70 x 70	03K	920 x 920	658 x 658	576 x 576	190
80 x 80	04K	1020 x 1020	758 x 758	676 x 676	190
90 x 90	05K	1120 x 1120	858 x 858	776 x 776	190
90 x 120	06K	1120 x 1420	858 x 1158	776 x 1076	190
100 x 100	07K	1220 x 1220	958 x 958	876 x 876	190
120 x 120	08K	1420 x 1420	1158 x 1158	1076 x 1076	190
140 x 140	09K	1620 x 1620	1358 x 1358	1276 x 1276	190
100 x 150	10K	1220 x 1720	958 x 1458	876 x 1376	190
120 x 220	11K	1420 x 2420	1158 x 2158	1076 x 2076	190

