

# HORIZON FIXED

## FRF FIXED FLAT ROOF WINDOWS WITH FLAT GLASS TOP UNIT

VARIANT	B600 + B200
<b>PANE</b>	
Construction	4H-(32)-4-14,5-33.2
24 mm insulated glazing unit	✓
Low-E coating	✓
Gas	Argon
Toughened external glass	✓
$U_g$ -horizontal [ W/m <sup>2</sup> K ]	1.30
Total solar energy transmittance: g	0.54
Light transmittance: $\tau_v$	0.72
<b>WINDOW</b>	
$U_{rc,ref300}$ : [ W/m <sup>2</sup> K ]	0.87
$A_{rc,ref300}$ : [ m <sup>2</sup> ]	3.4
Watertightness	Class 9A
Air permeability	Class 3
Resistance to wind load	Class C3
Sound reduction	36 [-1,-4] dB
Reaction to fire	class B-s1, d0
Impact resistance	class 3
<b>FINISH</b>	
Interior: PVC (white)	RAL 9016
Exterior: Grey aluminium	RAL 7043



MAX PROTECT



EASY CLEAN  
PVC



SAFE GUARD

### APPLICABLE

- In public or residential buildings
- In heated, inhabited rooms
- In roof pitch range of 5°-15°

### FEATURES

- Electrically openable window for flat roofs
- Attractive, flat glass exterior design
- Maintenance free, easy-to-wipe internal PVC surfaces
- Easy-to-clean coating on external glass
- scratch-free, 4 mm toughened glass cover
- Laminated internal glass
- Fixing screws and brackets are included
- Easy installation
- 10-year guarantee

### MATERIALS AND FINISH

- Extruded, white PVC, RAL 9016
- Insulating inserts in the PVC curb
- Lacquered aluminium, RAL 7043 (Top unit)



# TECHNICAL DATA

## AVAILABLE SIZES AND DAYLIGHT AREA

PRODUCT CODE	NOMINAL SIZE (ROOF OPENING)		EXTERNAL FRAME MEASUREMENTS		LINING MEASUREMENTS		EFFECTIVE DAYLIGHT AREA		
	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	A
	cm	cm	cm	cm	cm	cm	cm	cm	m <sup>2</sup>
FRF 0606 B600	60	60	78	78	55.9	55.9	43.5	43.5	0.19
FRF 0808 B600	80	80	98	98	75.9	75.9	63.5	63.5	0.40
FRF 0609 B600	60	90	78	108	55.9	85.9	43.5	73.5	0.32
FRF 0909 B600	90	90	108	108	85.9	85.9	73.5	73.5	0.54
FRF 0912 B600	90	120	108	138	85.9	115.9	73.5	103.5	0.76
FRF 1010 B600	100	100	118	118	95.9	95.9	83.5	83.5	0.70
FRF 1015 B600	100	150	118	168	95.9	145.9	83.5	133.5	1.11
FRF 1212 B600	120	120	138	138	115.9	115.9	103.5	103.5	1.07

## ACCESSORIES

### FRC

Extra frame extension can be combined with FRC..F (frame extension with flange) when frame height exceeding 310 mm is required\*  
\* One FRC..F can be combined with max three FRC extension curbs

### FRC..F

Frame extension with flange - extends total frame height from 150 mm to 310 mm

### FAF

Roofing material fixing kit ensures a safe joint between frame and roofing material



## PANE 6+2

Base unit of flat roof windows + flat glass top unit

$U_g$  -horizontal: 0,50 W/m<sup>2</sup>K

$U_{rc,ref300}$ : 0,87 W/m<sup>2</sup>K

$A_{rc,ref300}$ : 3,4 W/m<sup>2</sup>K

4H-[32]-4-14,5-33.2

3mm float glass, Two layers of tear resistant foil, 3mm float glass, 14 mm stainless steel spacer, cavity filled with Argon gas, Low-e heat reflecting coating, 4 mm float glass, 32 mm vented gap between base and top units of flat roof window, 4 mm toughened glass, Easy-to-clean coating

## AVAILABLE SIZES [CM]



Size code	0606	0609	0808	0909	0912	1010	1015	1212
Roof opening [cm]	60x60	60x90	80x80	90x90	90x120	100x100	100x150	120x120

## PRICES [€]

Flat roof window								
FRF B600 (Fixed)	348.30	430.70	443.70	511.00	585.10	537.90	675.20	669.80
Top unit								
FGT B200 (Flat glass)	380.10	410.20	427.30	490.40	557.50	535.90	681.50	637.00
Installation accessories								
FRC-F (Extension curb with flange)	242.50	257.70	266.00	294.20	323.50	316.20	362.00	343.60
FRC (Extension curb)	259.40	268.50	280.70	313.30	343.80	323.50	364.40	351.90
FAF (Roofing material fixing kit)	53.10	58.00	59.80	67.30	73.90	72.50	82.30	82.00

