

TECHNICAL SPECIFICATION



Openable flat roof windows with flat glass top unit

APPLICABLE

In public or residential buildings

In heated, inhabited rooms

In roof pitch range of 2°-15° (5°-15° is recommended)

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

Low energy insulating glass unit (inside)

Max. opening: 200 mm (142 mm ventilation area)

Preinstalled rain sensor

Hidden motor

Wall switch controller

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)

FRE B600 + FGT B200

PANE

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/m²K)	1.30
Total solar energy transmittance: g	0.54
Light transmittance: τ _v	0.72

WINDOW

U _{rc,ref300°} : (W/m²K)	0.87
A _{rc,ref300°} : (m²)	3.4
Watertightness	Class 9A
Air permeability	Class 3
Resistance to wind load	Class C3
Sound reduction	31 (-1,-2) dB
Reaction to fire	class B-s1, d0
Impact resistance	class 3

FINISH

Interior: PVC (white)	RAL 9016
Exterior: Grey aluminium	RAL 7043

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	m²
FRE 0606 B600	60	60	78	78	55.9	55.9	43.5	43.5	0.19
FRE 0808 B600	80	80	98	98	75.9	75.9	63.5	63.5	0.40
FRE 0609 B600	60	90	78	108	55.9	85.9	43.5	73.5	0.32
FRE 0909 B600	90	90	108	108	85.9	85.9	73.5	73.5	0.54
FRE 0912 B600	90	120	108	138	85.9	115.9	73.5	103.5	0.76
FRE 1010 B600	100	100	118	118	95.9	95.9	83.5	83.5	0.70
FRE 1015 B600	100	150	118	168	95.9	145.9	83.5	133.5	1.11
FRE 1212 B600	120	120	138	138	115.9	115.9	103.5	103.5	1.07

AVAILABLE SIZES

SIZE CODE	0606	0609	0808	0909
ROOF OPENING (CM)	60X60	60X90	80X80	90X90
SIZE CODE	0912	1010	1015	1212
ROOF OPENING (CM)	90X120	100X100	100X150	120X120

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



TECHNICAL SPECIFICATION



Fixed flat roof windows with flat glass top unit

FRF B600 + FGT B200

PANE

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 ² K)	1.30
Total solar energy transmittance: g	0.54
Light transmittance: τ_v	0.72

WINDOW

$U_{rc,ref300^{\circ}}$: (W/m ² K)	0.87
$A_{rc,ref300^{\circ}}$: (m ²)	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

FINISH

Interior: PVC (white)	RAL 9016
Exterior: Grey aluminium	RAL 7043

APPLICABLE

- In public or residential buildings
- In heated, inhabited rooms
- In roof pitch range of 2°-15° (5°-15° is recommended)

FEATURES

- Fixed (non-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
- Low energy insulating glass unit (inside)
- 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)

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