

Flat Roof Dome Access Hatch



The Keylite Access Hatch is designed to allow access to and from roof areas and can form part of a fire escape route. It may also be used for accessing roof mounted plant, equipment and for other general maintenance tasks. The hinged access hatch frame opens to 80° to allow safe route for personnel and equipment, while often avoiding the need to provide other external facilities.

Features

- ▶ Opening angle of approximately 80°
- ▶ Clear, frosted polycarbonate or solid insulated cover
- ▶ Telescopic gas or friction struts
- ▶ Available with either internal or external locking mechanism
- ▶ Excellent insulating valve and sound reduction

Dome Options

Dome Shapes	Square, Rectangular and Circular
Finish	Clear, Frosted or Heat reflection
Light Transmission	Clear 70%, Frosted 45%, Heat Reflection 40%
Solar Gain	Clear 60%, Frosted 43%, Heat Reflection 44%
Fire Rating	BS 476: Part 3 AA BS 476: Part 7 Class 1 Class 0 for Building Regulation Purposes

Upstand

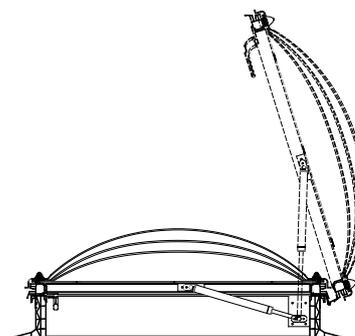
Construction	Extruded Multi Chamber PVCu proprietary upstand
Finish	Pre-finished white internally
Thermal Value	U-Value of 1.0W/m ² k independently Hot Box tested
Insulation	Can accommodate up to 150mm of roof insulation if 300mm high upstand is used
Waterproofing	Suitable for build-up felt, asphalt, single ply, hot melt and liquid applied membranes

Hatch Options

- ▶ Rooflight becomes means of access to roof
- ▶ Can be installed to existing upstand
- ▶ Keylite FRD up stands options can be incorporated
- ▶ Provides a safe access route
- ▶ Telescopic gas or friction struts
- ▶ Remote electric operation units available

Guarantee

- ▶ Keylite Access Hatch have a 10 year guarantee
- ▶ Telescopic gas struts have a 3 year guarantee



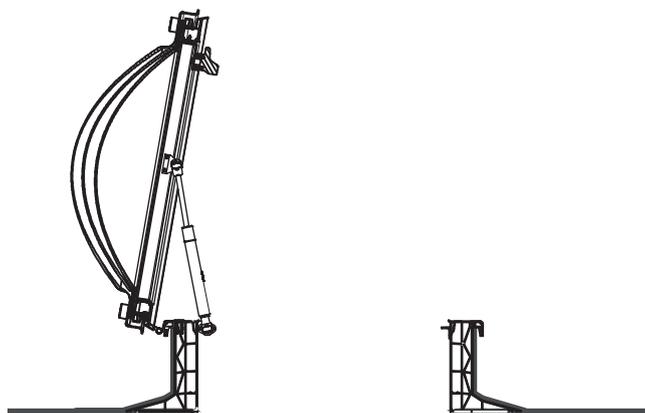
Technical Information

Size		1000x1000	900x1200	1200x1200
Structural Opening Size		1025x1025	925x1225	1275x1225
Overall Upstand Size		1200x1200	1100x1400	1400x1400
Visible Glass Size		800x800	700x1000	1000x1000
Keylite Product Code	Clear	FRD-S10-AH	FRD-R912-AH	FRD-S12-AH
	Frosted	FRD-S10-FR-AH	FRD-R912-FR-AH	FRD-S12-FR-AH

*Other sizes are available upon request, for further assistance please contact the Keylite Technical Team.

Window Type	Window Size	Unit Size		Structural Opening Size Required		External Upstand Size		Daylight Size	
		(mm)		(mm)		(mm)		(mm)	
		W	H	W	H	W	H	W	H
FRD-AH	S10	1000	1000	1025	1025	1100	1100	1000	1000
FRD-AH	R912	900	1200	925	1225	1000	1300	900	1200
FRD-AH	S12	1200	1200	1225	1225	1300	1300	1200	1200
FRD-AH	R47	400	700	425	725	500	800	400	700
FRD-AH	R410	400	1000	425	1025	500	1100	400	1000
FRD-AH	R58	500	800	525	825	600	900	500	800
FRD-AH	R511	500	1100	525	1125	600	1200	500	1100
FRD-AH	S6	600	600	625	625	700	700	600	600
FRD-AH	R69	600	900	625	925	700	1000	600	900
FRD-AH	R612	600	1200	625	1225	700	1300	600	1200
FRD-AH	R710	700	1000	725	1025	800	1100	700	1000
FRD-AH	R713	700	1300	725	1325	800	1400	700	1300
FRD-AH	R716	700	1600	725	1625	800	1700	700	1600
FRD-AH	S8	800	800	825	825	900	900	800	800
FRD-AH	R811	800	1100	825	1125	900	1200	800	1100
FRD-AH	R813	800	1300	825	1325	900	1400	800	1300
FRD-AH	S9	900	900	925	925	1000	1000	900	900

Cross - Section



Keylite Flat Roof Dome Polycarbonate Triple Skin Rooflight
 Complete With PVCu 150mm High Kerb
 and PVCu Access Hatch Frame And Locking Handle
 Installed To Prepared Roof Aperture

Technical Data

Fire Ratings	
Typical Value	Polycarbonate Triple
BS 476: Part 3	AA
BS 476: Part 7	Class 1
1991 Building Regulations	TP (a)*
Impact Resistance	
Soft Body Impact	
EN1873	1200J
ACRM(M) - 2005	Class B Non-Fragile
Thermal Transmission	
Typical Value	W/m ² k
Triple Glazed	1.3 **
Light Transmission-Triple Skin	
Clear	70%
Frosted	45%
Heat Reflective	40%
Sound Reduction	
Sound Resistance	28dB

Information for 3mm thick glazing unless noted otherwise:

* Class O for Building Regulation purposes

** Whole unit value calculated according to EN ISO 6946.

NBS Specification

L10 - Windows / Rooflights / Screens / Louvres
460 - Rooflights

Product Reference: Keylite Flat Roof Dome Access Hatch

Type: Dome

Size: Specify From Keylite Product literature

Frame: Screwbolt - High security

Kerb: PVCu Height 150mm

Material: PVCu - White Self Finish

Glazing Details: Polycarbonate Triple Skin

Finish: Specify From Keylite Product literature

Other Requirements: PVCu Access Hatch Frame

Fixing: Please Consult Keylite Technical Department For Recommendations

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