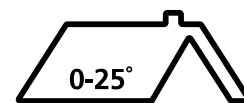


# Flat Roof Dome Access Hatch



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

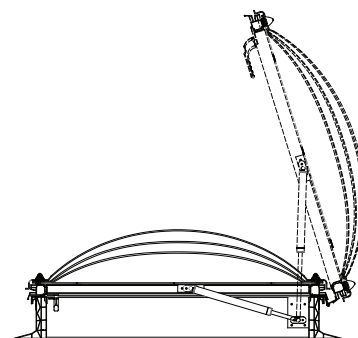
Construction	Extruded Multi Chamber PVCu proprietary upstand
Finish	Pre-finished white internally
Thermal Value	U-Value of 1.0W/m²k independently Hot Box tested
Insulation	Can accommodate up to 150mm of roof insulation if 300mm high upstand is used
Waterproofing	Suitable for build-up felt, asphalt, single 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

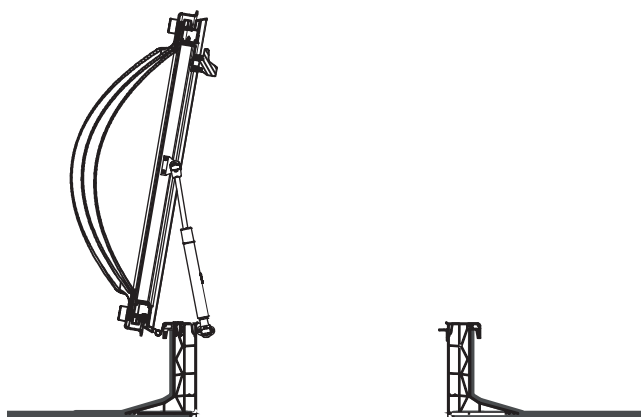


## Technical Information

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

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

## 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/m²k
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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