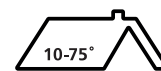


Mini-Dormer Window System

The Keylite Mini-Dormer System offers a contemporary alternative to a traditional in roof dormer. With increased natural daylight offering and improved thermal performance amongst some of its many benefits.



Features

- ▶ **Complete Kit** – Within the Keylite Mini-Dormer System, the following components are included;
 - ▶ Fully insulated Keylite Mini-Dormer frame work
 - ▶ All associated aluminum flashing components required to complete the installation
 - ▶ Colour matched internal structural support trim

Note: The Keylite Mini-Dormer refers only to the frame work, flashings and structural trim. For a complete system, the Roof Windows of your choice must be specified separately.

- ▶ **Assortment** – The Keylite Mini-Dormer system can be supplied with our traditional centre pivot or fire escape roof windows in clear lacquer or White Paint. Additionally Keylite Polar PVC Windows can be installed alongside the Keylite Mini-Dormer system for increased energy efficiency.
- ▶ **Futuretherm Technology** – The Roof Windows that accompany the Keylite Dormer are provided with Keylite's innovative Futuretherm Technology. The roof windows feature a groundbreaking integrated expanding thermal collar, which when pulled will expand to fill the void between the Roof Window frame and the Mini-Dormer frame work in order to combat the cold bridge that would traditionally exist at these intersects.
- ▶ **Installation** – All Keylite Mini-Dormer Systems are supplied with a pre-fabricated frame work that is manufactured in a factory controlled environment for ease of installation on site. All associated flashing components that are required are provided, and can be installed effortlessly to ensure the system resists the penetration of rain. Keylite Dormer's can be installed on roof pitches between 10° - 75°.
- ▶ **Thermal Performance** – The Mini Dormer frame work has been designed and engineered with a U-Value of 0.16 for the dormer roof and 0.26 for the dormer cheeks, resulting in maximum heat loss protection to keep a space warmer, for longer.

Application

- ▶ Keylite recommend installing the Mini-Dormer frame work so that the frame top of the two Roof Windows is located between 1.85m – 2.2m, above the floor level for ease of operation.
- ▶ For installation of Roof Windows above 2.2m Keylite recommend electrical operation and a laminated inner safety pane.
- ▶ Keylite advise consulting with your local Building Control Department prior to installation of the Keylite Mini-Dormer.

Operation

- ▶ Keylite Centre Pivot Roof Windows are operated manually as standard, through the full width use of our ventilation handle, located along the top of the sash.
- ▶ Electric operation is also available as an additional accessory.
- ▶ The Keylite Top Hung / Fire Escape roof window is operated manually as standard, through rotating the handle, located along the bottom of the sash. This operation is made easy by the powerful pneumatic spring system.

Installation and Accessory Products

- ▶ **Flashings**
Tile (MDS TRF)
- ▶ **Additional Installation Products**
Underfelt Collar (FC)
Vapour Collar (VC)
- ▶ **Accessories**
2 Metre window pole (WP2M)
3 Metre window pole (WP3M)
Standard Electric Kit (SEK)
Premium Electric Kit (PEK)
Security Lock (SL)
Opening Restrictor (OR)
- ▶ **Blinds**
Integral Blind (I-BH)
Dim out Blind (SA/D)
Black out Blind (SA/B)

Guarantee

- ▶ **10 Years** – Keylite's hassle free guarantee on Roof Windows, Insulated Frame Work and all associated Flashings.
- ▶ **3 Years** – Keylite's hassle free guarantee on blinds, electrics and accessories.

Finish Options

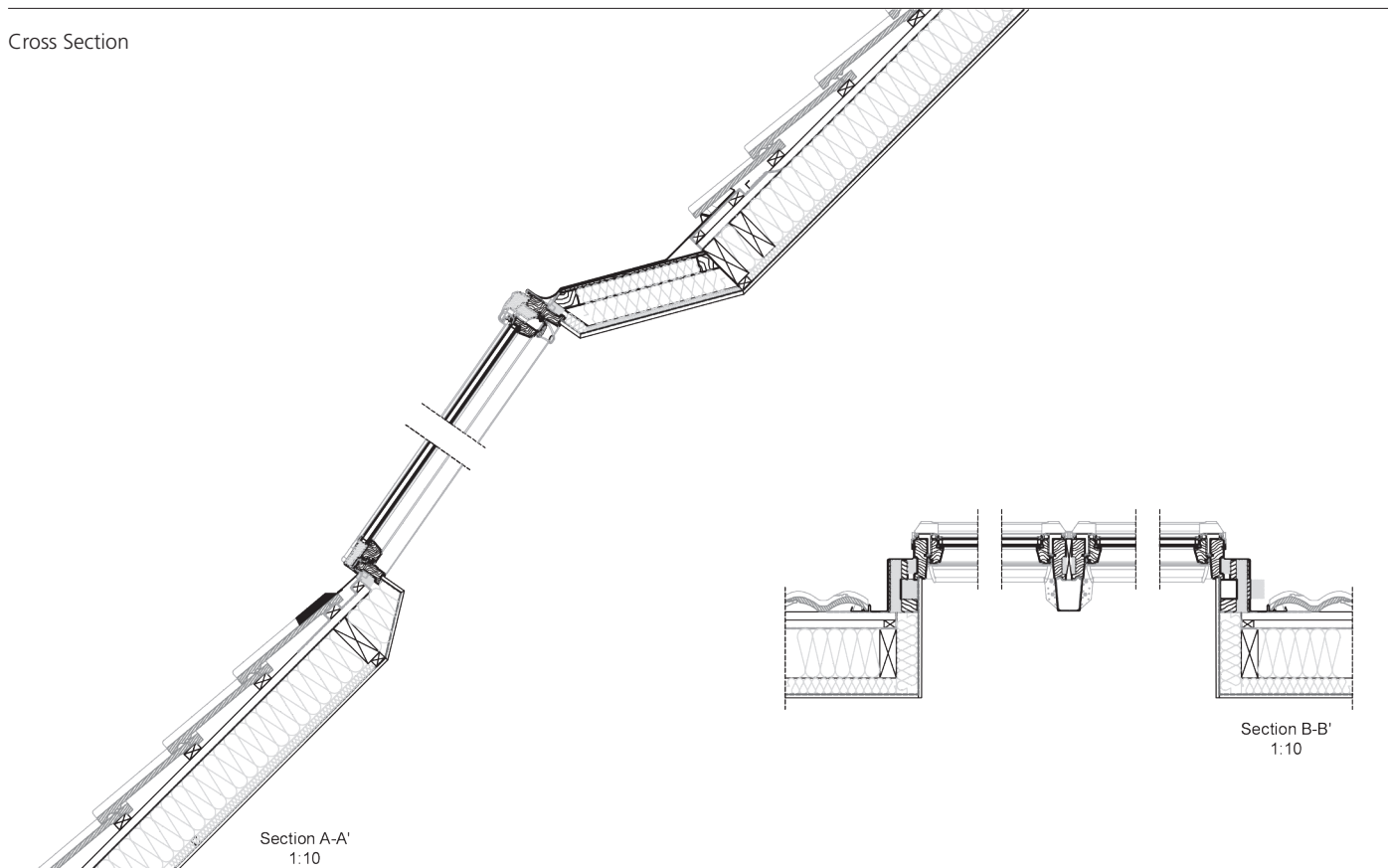
- ▶ **Interior** – Pine
White Painted
Polar PVC
- ▶ **Exterior** – Grey

Maintenance

- ▶ The glazing pane of a Keylite Roof Windows can be cleaned with a soft, clean cloth/ chamois or non-metal squeegee. Clean water will be sufficient for cleaning the pane.
- ▶ The sash can be rotated through 180° where the outer pane can become available for cleaning once locked in position using the plastic locking mechanism located along the top of the sash.

Technical Information

Cross Section



Size Range

Size Code	MDS 04	MDS 06
Individual Roof Window Size (WxH)	780 x 980mm	780 x 1400mm
Structural Opening Size (WxH)	1698 x 1575mm	1698 x 2155mm

Technical Performance

Linear heat loss Ψ in construction and U-Value of kerb elements

Area & Unit of Measurement	Description	Ψ U-Value
Ψ Dormer/Roof Junction Top [W/m.K]	The linear heat loss between the Mini-Dormer frame work and the roof construction at the three intersects	0.017
Ψ Dormer/Roof Junction Side [W/m.K]		0.054
Ψ Dormer/Roof Junction Bottom [W/m.K]		0.102

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