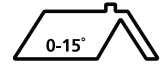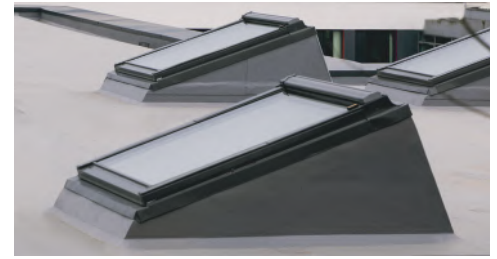# Flat Roof System
## Window Systems

Many properties have extensions with flat or near flat roofs. Keylite have developed a Flat Roof System specifically for this application that provides all the benefits of natural daylight and ventilation into the area beneath.



**0-15°**

## Features

- **Complete Kit** - Within the Keylite Flat Roof System the following are included:
  - Fully insulated timber upstand
  - All associated Flat Roof System flashings required

- **Flexibility** - The Keylite Flat Roof System is available for the entire Keylite Roof Window range.

- **Unique Design** - In order to maximise the amount of natural light entering the room, the front and back frames of the insulated timber upstand are set at an angle.

- **Futuretherm Technology** - All Keylite Flat Roof Systems are now provided with Keylite's new innovative **Future**therm Technology.

- **Installation** - Keylite Flat Roof Systems come prefabricated for ease of installation on site and can be installed in a flat roof not exceeding 15 degrees

- **Operation** - The system can be operated manually or equally with Keylite Electric Operation and Smoke Ventilation Systems.

## Application

- For installation of roof windows above 2.2m Keylite also recommend electrical operation and a laminated inner pane.

## Maintenance

- The glazing pane of a Keylite Roof Window 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.

## Installation and Accessory Products

- Flashings
  Flat Roof System (FRS-F)

- Accessories
  2 metre window pole (WP2)
  3 metre window pole (WP3)
  Solar electric kit (SPEK)
  Premium electric kit (PEK)
  Standard electric kit (SEK)
  Smoke ventilation kit (SVK)*
  Opening restrictor (OR)
  Security lock (SL)

- Blinds
  Integral Blind (I)
  Dim out Blind (D)
  Black out Blind (B)

*Available in appropriate certified window sizes.

## Flat Roof System U-Value

- Window
  1.3 W/m²k (Thermal/Hi-Therm Glazing)
  1.0 W/m²k (Triple Glazed)

- Upstand
  0.3 W/m²k

## Window Finish Options

- Interior  -  Pine (T)
  White (W)
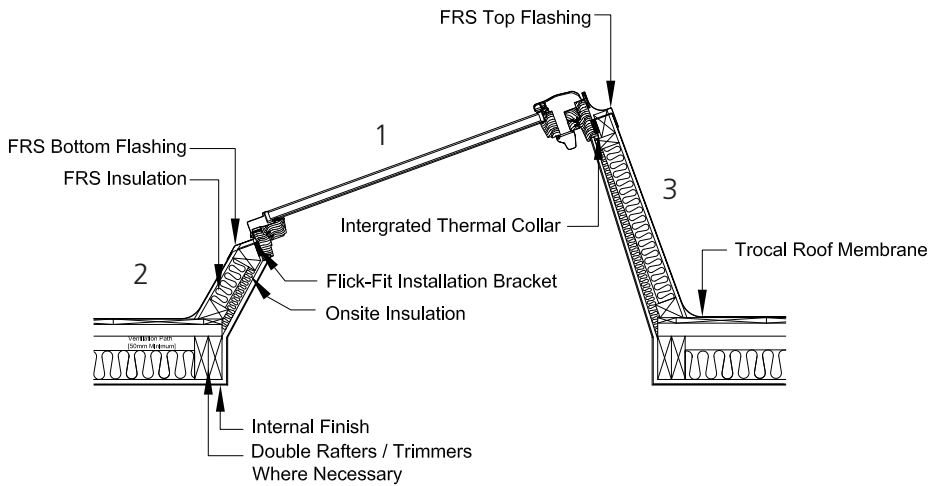  Polar (P)
- Exterior  -  Grey
  Conservation Black (CW)

## Guarantee

- **10 Years** - Keylite's hassle free guarantee on windows, insulated upstand and all associated flashings.
- **3 Years** - Keylite's hassle free guarantee on blinds, accessories and electrics.

| Window Sizes (WxH) | 550x780 | 550x980 | 660x1180 | 780x980 | 780x1180 | 780x1400 | 940x1600 | 1140x1180 | 1340x980 | 1340x1400 |
|---|---|---|---|---|---|---|---|---|---|---|
| Structural Opening Size | 530x1000 | 530x1200 | 640x1400 | 760x1200 | 760x1400 | 760x1620 | 920x1820 | 1120x1400 | 1320x1200 | 1320x1620 |
| **PINE FINISH** | | | | | | | | | | |
| Keylite Therm Product Code | FRS-TCP-01-T | FRS-TCP-02-T | FRS-TCP-03-T | FRS-TCP-04-T | FRS-TCP-05-T | FRS-TCP-06-T | FRS-TCP-07-T | FRS-TCP-08-T* | FRS-TCP-09-T* | FRS-TCP-10-T* |
| **WHITE FINISH** | | | | | | | | | | |
| Keylite Thermal Product Code | To order White Finish please add "W" to the code ie. FRS-WCP-01-T | | | | | | | *SVK available | | |

# keylite®

## Technical Information

### Cross Sections

FRS Top Flashing

FRS Bottom Flashing

FRS Insulation

1

Intergrated Thermal Collar

2

Flick-Fit Installation Bracket

Onsite Insulation

Ventilation Path
[50mm Minimum]

Internal Finish

Double Rafters / Trimmers
Where Necessary

3

Trocal Roof Membrane

| FRS Upstand Heights | | |
|---|---|---|
| **1 Length of window** | **2 Front of window** | **3 Height at Rear** |
| 780mm | 200mm | 507mm |
| 980mm | 200mm | 575mm |
| 1180mm | 200mm | 643mm |
| 1400mm | 200mm | 718mm |
| 1600mm | 200mm | 786mm |

### Structural Opening Sizes

**Structural opening sizes = Window width -20mm & Window Height +220mm**

W

L

$X = W - 20mm$

$Y = L + 220mm$
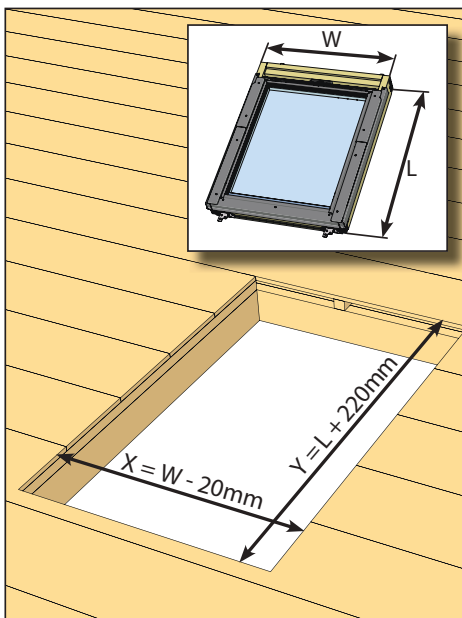
| | W x L | X x Y |
|---|---|---|
| FRS-TCP-01 | 550 x 780 | 530 x 1000 |
| FRS-TCP-02 | 550 x 980 | 530 x 1200 |
| FRS-TCP-03 | 660 x 1180 | 640 x 1400 |
| FRS-TCP-04 | 780 x 980 | 760 x 1200 |
| FRS-TCP-05 | 780 x 1180 | 760 x 1400 |
| FRS-TCP-06 | 780 x 1400 | 760 x 1620 |
| FRS-TCP-07 | 940 x 1600 | 920 x 1820 |
| FRS-TCP-08 | 1140 x 1180 | 1120 x 1400 |
| FRS-TCP-09 | 1340 x 980 | 1320 x 1200 |
| FRS-TCP-10 | 1340 x 1400 | 1320 x 1620 |

\* Please note other sizes available, for futher assistance contact the keylite sales team.

**keyliteroofwindows.com**