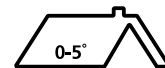


Flat Roof Apex System Window Systems

The Keylite Flat Roof Apex System creates a sophisticated, atrium style roof window, capable of adding function and style to living spaces under flat roofs.



Features

- ▶ **Complete Kit** - Within the Keylite Flat Roof Apex System the following are included:
 - ▶ Fully insulated timber upstand
 - ▶ All associated Flat Roof Apex System flashings required
 - ▶ Roof windows of your choice.
- ▶ **Flexibility** - The Keylite Flat Roof Apex System is available for the entire Keylite Roof Window range.
- ▶ **Installation** - Keylite Flat Roof Apex Systems come prefabricated for ease of installation on site and can be installed in a flat roof not exceeding 5 degrees
- ▶ **Operation** - The system can be operated manually or equally with the Keylite Electric Operation

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 Apex System (FRX)
 - Double Flat Roof System (DFRX)
 - Triple Flat Roof System (TFRX)
- ▶ **Accessories**
 - 2 metre window pole (WP2)
 - 3 metre window pole (WP3)
 - Solar electric kit (KCS)
 - Premium electric kit (PEK)
 - Standard electric kit (SEK)
 - Opening restrictor (OR)
 - Security lock (SL)
- ▶ **Blinds**
 - Integral Blind (I)
 - Dim out Blind (D)
 - Black out Blind (B)

Flat Roof Apex U-Value

- ▶ **Window**
 - 1.3 W/m²k (Hi-Therm Glazing)
 - 1.0 W/m²k (Triple Glazed)
- ▶ **Upstand**
 - 0.3 W/m²k

Window Finish Options

- ▶ **Interior** - Pine (T)
White (W)
- ▶ **Exterior** - Grey
Conservation Black(CW)

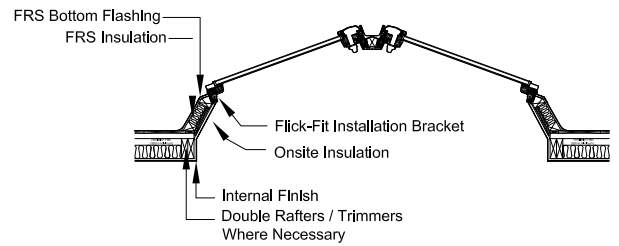
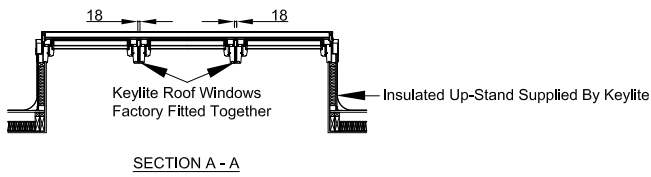
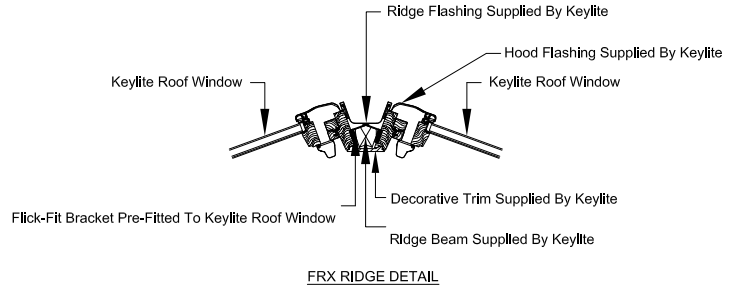
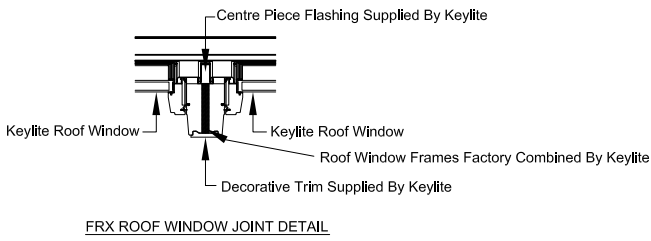
Guarantee

- ▶ **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.

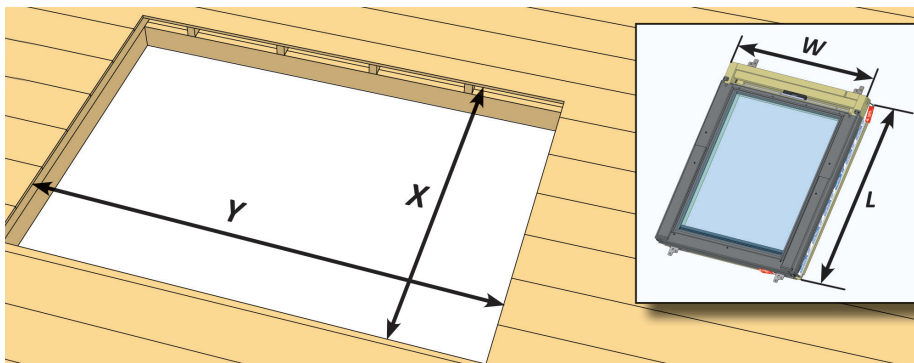


Window Sizes (WxH)	780x980	780x1180	780x1400	1570x980	1570x1180	1570x1400	2370x980	2370x1180	2370x1400
Structural Opening Size	760x2115	760x2490	760x2900	1560x2115	1560x2490	1560x2900	2355x2115	2355x2490	2355x2900
Keylite Thermal Product Code	FRX-04	FRX-05	FRX-06	DFRX-04	DFRX-05	DFRX-06	TFRX-04	TFRX-05	TFRX-06

For further assistance please contact the Keylite Technical Team

Technical Information
Cross Section


Code	Window size			FLAT ROOF APEX APERTURE/STRUCTURAL OPENING SIZES								
				SINGLE (mm)			DOUBLE (mm)			TRIPLE (mm)		
01	550	x	780	530	x	1740	1100	x	1740	1665	x	1740
02	550	x	980	530	x	2115	1100	x	2115	1665	x	2115
03	660	x	1180	640	x	2490	1320	x	2490	1995	x	2490
04	780	x	980	760	x	2115	1560	x	2115	2355	x	2115
05	780	x	1180	760	x	2490	1560	x	2490	2355	x	2490
06	780	x	1400	760	x	2900	1560	x	2900	2355	x	2900
07	940	x	1600	920	x	3280	1880	x	3280		x	
08	1140	x	1180	1120	x	2490	2280	x	2490		x	
09	1340	x	980	1320	x	2115	2680	x	2115		x	
10	1340	x	1400	1320	x	2900	2680	x	2900		x	

Structural Opening Sizes


	W x L	X x Y	X x Y	X x Y
FRX-04	780 x 980	760 x 2120	1560 x 2120	2355 x 2120
FRX-05	780 x 1180	760 x 2500	1560 x 2500	2355 x 2500
FRX-06	780 x 1400	760 x 2910	1560 x 2910	2355 x 2910

Single

Window Type	Window Size	External Frame Size		Sash Size		Glazing Size		Visible Glazing Size		Internal Reveal Size		Natural Daylight Area (m ²)	Equivalent Ventilation Area (mm ²)	Structural Opening Size Required	
		(mm)		(mm)		(mm)		(mm)		(mm)				(mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2			W	H
FRX	01	550	780	460	690	396	593	370	558	496	720	0.413	6,674	530	1780
FRX	02	550	980	460	890	396	793	370	758	496	920	0.561	6,674	530	2180
FRX	01C	550	1180	460	1090	396	993	370	958	496	1120	0.709	6,674	530	2580
FRX	03	660	1180	570	1090	506	993	480	958	606	1120	0.920	8,010	640	2580
FRX	04	780	980	690	890	626	793	600	758	726	920	0.910	9,466	760	2180
FRX	05	780	1180	690	1090	626	993	600	958	726	1120	1.150	9,466	760	2580
FRX	06	780	1400	690	1310	626	1213	600	1178	726	1340	1.414	9,466	760	3020
FRX	07F	940	1400	850	1310	786	1213	760	1178	886	1340	1.791	11,408	920	3020
FRX	07	940	1600	850	1510	786	1413	760	1378	886	1540	2.095	11,408	920	3420
FRX	08	1140	1180	1050	1090	986	993	960	958	1086	1120	1.839	13,834	1120	2580
FRX	09	1340	980	1250	890	1186	793	1160	758	1286	920	1.759	16,262	1320	2180
FRX	10	1340	1400	1250	1310	1186	1213	1160	1178	1286	1340	2.733	16,262	1320	3020
FRX	01F	550	1400	460	1310	396	1213	370	1178	496	1340	0.872	6,674	530	3020
FRX	01G	550	1600	460	1510	396	1413	370	1378	496	1540	1.020	6,674	530	3420
FRX	03A	660	780	570	690	506	593	480	558	606	720	0.536	8,010	640	1780
FRX	03B	660	980	570	890	506	793	480	758	606	920	0.728	8,010	640	2180
FRX	03F	660	1400	570	1310	506	1213	480	1178	606	1340	1.131	8,010	640	3020
FRX	03G	660	1600	570	1510	506	1413	480	1378	606	1540	1.323	8,010	640	3420
FRX	04A	780	780	690	690	626	593	600	558	726	720	0.670	9,466	760	1780
FRX	04G	780	1600	690	1510	626	1413	600	1378	726	1540	1.654	9,466	760	3420
FRX	07A	940	780	850	690	786	593	760	558	886	720	0.848	11,408	920	1780
FRX	07B	940	980	850	890	786	793	760	758	886	920	1.152	11,408	920	2180
FRX	07C	940	1180	850	1090	786	993	760	958	886	1120	1.456	11,408	920	2580
FRX	08A	1140	780	1050	690	986	593	960	558	1086	720	1.071	13,834	1120	1780
FRX	08B	1140	980	1050	890	986	793	960	758	1086	920	1.455	13,834	1120	2180
FRX	08F	1140	1400	1050	1310	986	1213	960	1178	1086	1340	2.262	13,834	1120	3020
FRX	08G	1140	1600	1050	1510	986	1413	960	1378	1086	1540	2.646	13,834	1120	3420
FRX	09A	1340	780	1250	690	1186	593	1160	558	1286	720	1.295	16,262	1320	1780
FRX	09C	1340	1180	1250	1090	1186	993	1160	958	1286	1120	2.223	16,262	1320	2580
FRX	09G	1340	1600	1250	1510	1186	1413	1160	1378	1286	1540	3.197	16,262	1320	3420

Double

Window Type	Window Size	External Frame Size		Sash Size		Glazing Size		Visible Glazing Size		Internal Reveal Size		Natural Daylight Area (m ²)	Equivalent Ventilation Area (mm ²)	Structural Opening Size Required	
		(mm)		(mm)		(mm)		(mm)		(mm)				(mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2			W	H
DFRX	01	550	780	460	690	396	593	370	558	496	720	0.826	13,348	1080	1780
DFRX	02	550	980	460	890	396	793	370	758	496	920	1.122	13,348	1080	2180
DFRX	01C	550	1180	460	1090	396	993	370	958	496	1120	1.418	13,348	1080	2580
DFRX	03	660	1180	570	1090	506	993	480	958	606	1120	1.839	16,020	1300	2580
DFRX	04	780	980	690	890	626	793	600	758	726	920	1.819	18,932	1540	2180
DFRX	05	780	1180	690	1090	626	993	600	958	726	1120	2.299	18,932	1540	2580
DFRX	06	780	1400	690	1310	626	1213	600	1178	726	1340	2.827	18,932	1540	3020
DFRX	07F	940	1400	850	1310	786	1213	760	1178	886	1340	3.581	22,816	1860	3020
DFRX	07	940	1600	850	1510	786	1413	760	1378	886	1540	4.189	22,816	1860	3420
DFRX	08	1140	1180	1050	1090	986	993	960	958	1086	1120	3.679	27,668	2260	2580
DFRX	09	1340	980	1250	890	1186	793	1160	758	1286	920	3.517	32,524	2660	2180
DFRX	10	1340	1400	1250	1310	1186	1213	1160	1178	1286	1340	5.466	32,524	2660	3020
DFRX	01F	550	1400	460	1310	396	1213	370	1178	496	1340	1.743	13,348	1080	3020
DFRX	01G	550	1600	460	1510	396	1413	370	1378	496	1540	2.039	13,348	1080	3420
DFRX	03A	660	780	570	690	506	593	480	558	606	720	1.071	16,020	1300	1780
DFRX	03B	660	980	570	890	506	793	480	758	606	920	1.455	16,020	1300	2180
DFRX	03F	660	1400	570	1310	506	1213	480	1178	606	1340	2.262	16,020	1300	3020
DFRX	03G	660	1600	570	1510	506	1413	480	1378	606	1540	2.646	16,020	1300	3420
DFRX	04A	780	780	690	690	626	593	600	558	726	720	1.339	18,932	1540	1780
DFRX	04G	780	1600	690	1510	626	1413	600	1378	726	1540	3.307	18,932	1540	3420
DFRX	07A	940	780	850	690	786	593	760	558	886	720	1.696	22,816	1860	1780
DFRX	07B	940	980	850	890	786	793	760	758	886	920	2.304	22,816	1860	2180
DFRX	07C	940	1180	850	1090	786	993	760	958	886	1120	2.912	22,816	1860	2580
DFRX	08A	1140	780	1050	690	986	593	960	558	1086	720	2.143	27,668	2260	1780
DFRX	08B	1140	980	1050	890	986	793	960	758	1086	920	2.911	27,668	2260	2180
DFRX	08F	1140	1400	1050	1310	986	1213	960	1178	1086	1340	4.524	27,668	2260	3020
DFRX	08G	1140	1600	1050	1510	986	1413	960	1378	1086	1540	5.292	27,668	2260	3420
DFRX	09A	1340	780	1250	690	1186	593	1160	558	1286	720	2.589	32,524	2660	1780
DFRX	09C	1340	1180	1250	1090	1186	993	1160	958	1286	1120	4.445	32,524	2660	2580
DFRX	09G	1340	1600	1250	1510	1186	1413	1160	1378	1286	1540	6.394	32,524	2660	3420

Triple

Window Type	Window Size	External Frame Size		Sash Size		Glazing Size		Visible Glazing Size		Internal Reveal Size		Natural Daylight Area (m ²)	Equivalent Ventilation Area (mm ²)	Structural Opening Size Required	
		(mm)		(mm)		(mm)		(mm)		(mm)				(mm)	
		W	H	S1	S2	X	Y	A	B	P1	P2			W	H
TFRX	01	550	780	460	690	396	593	370	558	496	720	1.239	20,022	1630	1780
TFRX	02	550	980	460	890	396	793	370	758	496	920	1.683	20,022	1630	2180
TFRX	01C	550	1180	460	1090	396	993	370	958	496	1120	2.127	20,022	1630	2580
TFRX	03	660	1180	570	1090	506	993	480	958	606	1120	2.759	24,030	1960	2580
TFRX	04	780	980	690	890	626	793	600	758	726	920	2.729	28,398	2320	2180
TFRX	05	780	1180	690	1090	626	993	600	958	726	1120	3.449	28,398	2320	2580
TFRX	06	780	1400	690	1310	626	1213	600	1178	726	1340	4.241	28,398	2320	3020
TFRX	01F	550	1400	460	1310	396	1213	370	1178	496	1340	2.615	20,022	1630	3020
TFRX	01G	550	1600	460	1510	396	1413	370	1378	496	1540	3.059	20,022	1630	3420
TFRX	03A	660	780	570	690	506	593	480	558	606	720	1.607	24,030	1960	1780
TFRX	03B	660	980	570	890	506	793	480	758	606	920	2.183	24,030	1960	2180
TFRX	03F	660	1400	570	1310	506	1213	480	1178	606	1340	3.393	24,030	1960	3020
TFRX	03G	660	1600	570	1510	506	1413	480	1378	606	1540	3.969	24,030	1960	3420
TFRX	04A	780	780	690	690	626	593	600	558	726	720	2.009	28,398	2320	1780
TFRX	04G	780	1600	690	1510	626	1413	600	1378	726	1540	4.961	28,398	2320	3420

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