

Keylite Flat Roof Domes Specification

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Product Reference:

KEYLITE Flat Roof Dome: (FRD) clear or diffused multi-layered polycarbonate Flat Roof Dome, fixed to 150mm splayed ECO PVC kerb. - FRD or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations.

Or

KEYLITE Flat Roof Dome, Manual: (FRD-M) Manual opening, clear or diffused multi-layered polycarbonate flat roof dome. Mounted on a 150mm splayed ECO PVC kerb. -FRD-M or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations.

Or

KEYLITE Flat Roof Dome, Electric (FRD-E) Electric opening, clear or diffused multi-layered polycarbonate flat roof dome. Mounted on a 150mm splayed ECO PVC kerb. -FRD-E or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations.

Or

KEYLITE Flat Roof Dome, Access Hatch: (FRD-AH) Manual opening, clear or diffused multi-layered Polycarbonate Flat Roof Access Hatch. Mounted on a 150mm vertical PVC kerb. -FRD-AH or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations.

Or

KEYLITE Smoke Ventilation Flat Roof Dome: (FRD-SVK) Automatic opening, clear or diffused multi-layered polycarbonate Flat Roof Smoke Ventilation Dome. Mounted on a 150mm vertical PVC kerb. -FRD-SVK or equal & approved/accepted, detailed to suit each roof scenario. To be installed in accordance with manufacturers recommendations.

Size:

Refer to drawings and schedules.

Glazing Details:

Double Skin Polycarbonate: (DSP) glazing, centre pane U-value 2.68 W/m²K made up by, two sheets of thermoformed 3mm polycarbonate. Sound insulation (Rw): 20dB. Light Transmittance (Tv): 0.70. Total solar energy transmittance (g): 0.70.

Or

Triple Skin Polycarbonate: (TSP) glazing, centre pane U-value 1.78 W/m²K made up by, three sheets of thermoformed 3mm polycarbonate. Sound insulation (Rw): 22dB. Light Transmittance (Tv): 0.70. Total solar energy transmittance (g): 0.60.

Or

Quad Skin Polycarbonate: (QSP) glazing, centre pane U-value 1.24 W/m²K made up by, four sheets of thermoformed 3mm polycarbonate. Sound insulation (Rw): 23dB. Light Transmittance (Tv): 0.60. Total solar energy transmittance (g): 0.50.

Or

Solid Aluminium Cover (ALU) glazing, centre cover U-value 0.8 W/m²K made up by, two sheets of 4mm aluminium & 32mm fully insulated cavity. Sound insulation (Rw): 28dB.

Electric Operation:

Standard Electric Kit (SEK)

System includes transformer wall switch that should be hardwired. Motor(s) factory fitted to the dome specified above.

Or

Premium Electric Kit (PEK)

System includes motor, rain sensor & power supply unit that should be plugged into the Electric Control Unit supplied. Complete with remote control operation.

Motor(s) factory fitted to the Electric Flat Roof Dome specified above.

Or

Smoke Ventilation Kit (SVK)

System is fully certified to EN12101-2 and includes motor, Control Unit, Smoke Detector, Break-Glass Unit and 72hr Battery Back-Up. Motor(s) factory fitted to the Smoke Ventilation Flat Roof Dome specified above.

Accessories:

Opening Pole: to be included and used on the above FRD-M.

Controllable Trickle Ventilation: to be factory fitted to the above Flat Roof Domes Kerb.

Permanent Trickle Ventilation: to be factory fitted to the above Flat Roof Domes Kerb.

Powered Extractor Fan: For when natural ventilation is insufficient, to be factory fitted to the above Flat Roof Domes Kerb.

Security Grid: Additional security grid. To be fitted to the above Flat Roof Dome.