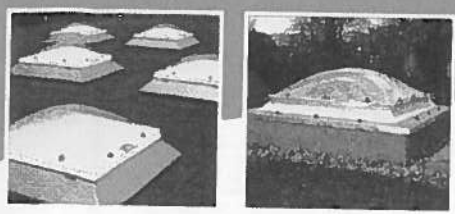


# Em-Dome® rooflights



Designed to make optimum use of natural daylight, Em-Dome rooflights provide up to three times more daylight through a flat roof than a similar sized window in a vertical plane.

### Key features

- Over 40 sizes available from stock
- Competitively priced
- Next day nationwide delivery on most sizes
- Patented high security factory fitted screw bolts as standard
- Range of insulated upstand curbs
- Clear or opal-diffused glazing stocked
- Polycarbonate Em-Domes are certified 'Non-Fragile'
- Wide range of ventilation options
- Delivery direct to contractor's yard or site
- Available in single, double or triple glazed
- Square, rectangular and circular units in stock
- CE certified to EN 1873
- Comprehensive range of proprietary accessories available.

## Glazing

### Choosing the correct Em-Dome

**Material**

**Polycarbonate**

- Recommended choice
- Virtually unbreakable
- Highest fire rating available
- Certified 'Non-Fragile'

**Acrylic**

- Economical
- Good UV resistance
- Care when specifying due to lower fire rating
- 'Fragile'

**Single, double or triple-glazed**

**Single glazed**

- Suitable for unheated areas
- Specify with caution

**Double glazed**

- Economical
- U-value (2.9W/m<sup>2</sup>K)

**Triple glazed**

- Best insulation (1.78 W/m<sup>2</sup>K)
- Better sound insulation
- Complies with virtually all Building Regulations

**Clear or opal diffused**

**Clear**

- Very high light transmission – up to 92%
- Direct light to area below
- Care needed to prevent 'solar-overheating'

**Opal diffused**

- Maintains high light transmission whilst evenly diffusing light to area below
- Increased security due to translucent finish

**Special order Em-Dome options**

**Heat Reflect**

- Reflects 100% ultraviolet light
- Solar transmission as low as 34%
- Reflects up to 66% solar energy
- Options for pearl diffused, neutral clear and neutral diffused glazing

**Pyramid design**

- 30° pyramid (trapezoidal when rectangular design)
- Available in most square and rectangular sizes

**Em-Curb ECO PVCu 150 splayed**

- Most popular choice
- Economical
- Insulated and thermally broken
- Can accommodate controllable trickle ventilation in side walls
- Pre-finished internally
- Suitable for most flat roof waterproofing systems

**Em-Curb ECO PVCu 300 splayed**

- For use on insulated roofs (up to 150mm insulation)
- Excellent insulation and thermally broken
- Can accommodate controllable trickle or rotating ventilation in side walls
- Suitable for most flat roof waterproofing systems

**Em-Curb GRP 150/s**

- Recommended for use with circular units
- Good insulation and thermally broken
- Suitable for most flat roof waterproofing systems

**Curb adaptors**

**Em-Curb PVCu 150 curb adaptors**

- Available in vertical / splayed sides
- Excellent insulation and thermally broken
- Designed to fit most existing builder's upstand curb sizes
- Can accommodate controllable trickle or rotating ventilation

**T-Collar aluminium curb adaptors**

- Available in vertical / splayed sides
- Insulated
- Designed to fit most existing builder's upstand curb sizes
- Can accommodate controllable trickle or rotating ventilation

## Ventilation options

**Permanent**

- Spacer washer between glazing and upstand curb
- Economical option
- 5-10mm perimeter airspace
- Provides permanent background ventilation

**Controllable trickle**

- Factory fitted
- Installed in side wall of upstand or adaptor
- Controllable trickle background ventilation
- 8000mm<sup>2</sup> ventilation area per pair of vents

**Controllable rotating**

- Most effective type of ventilation
- Infinitely adjustable
- Innovative insulated design
- Fitted to 2 or 4 sides of upstand or adaptors

**Opening ventilation**

- Manual or electric
- Up to 600mm
- Proprietary design
- Smoke ventilator range available

**Access opening**

- Opens to approx 90°
- Friction and gas assisted hydraulic systems
- Lockable crockspur handle systems
- Compatible with all ventilation systems
- Solid insulated cover option

**Accessories**

- Security grills
- Em-Dome® Plus – security frame
- Powered extract fans
- Smoke ventilators and control systems

## Availability

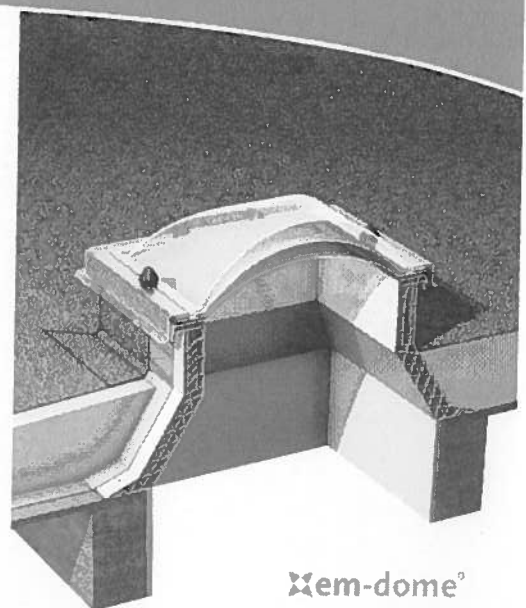
**Dimensions explained**

**Recommended Structural Roof Opening size is a 20mm over displayed Dimension C**

Size Ref No.	Dimension D (mm)	Dimension C (mm)
<b>Square rooflights</b>		
S1	500x500	400x400
S2	600x600	500x500
S3	650x650	550x550
S4	700x700	600x600
S5	800x800	700x700
S6	850x850	750x750
S7	900x900	800x800
S8	1000x1000	900x900
S9	1100x1100	1000x1000
S10	1200x1200	1100x1100
S11	1300x1300	1200x1200
S12	1400x1400	1300x1300
S13	1500x1500	1400x1400
S14	1600x1600	1500x1500
<b>Rectangular rooflights</b>		
R3	500x800	400x500
R4	600x900	500x600
R5	700x1000	600x700
R6	800x1100	700x800
R7	900x1200	800x900
R8	1000x1300	900x1000
R9	1100x1400	1000x1100
R10	1200x1500	1100x1200
R11	1300x1600	1200x1300
R12	1400x1700	1300x1400
R13	1500x1800	1400x1500
R14	1600x1900	1500x1600
R15	1700x2000	1600x1700
R16	1800x2100	1700x1800
R17	1900x2200	1800x1900
R18	2000x2300	1900x2000
R19	2100x2400	2000x2100
R20	2200x2500	2100x2200
R21	2300x2600	2200x2300
R22	2400x2700	2300x2400
R23	2500x2800	2400x2500
<b>Circular rooflights</b>		
C1	500	450
C2	600	550
C3	700	650
C4	800	750
C5	900	850
C6	1000	950
C7	1100	1050
C8	1200	1150

# Dome Rooflights

## Brochure 2015



**em-dome®**  
in polycarbonate  
and acrylic

Call us on 01483 271371 or email sales@whitesales.co.uk for more information

**Whitesales®**  
Rooflights & more... [www.whitesales.co.uk](http://www.whitesales.co.uk)

**Whitesales®**  
Rooflights & more...

**NBS Specification**

L10 - Windows / Rooflights / Screens / Louvres  
460 - Rooflights

Manufacturer : Whitesales Europa House Alford Road Cranleigh GU6 8NQ  
Tel 01483 271371 Fax 01483 271771 E-mail sales@whitesales.co.uk  
Product Reference : Em-Dome and Em-Curb

Type : Dome

Size : Specify from Product literature

Frame : Screwbolt - High security

Kerb : Em-Curb PVCu 300s, Height 300mm

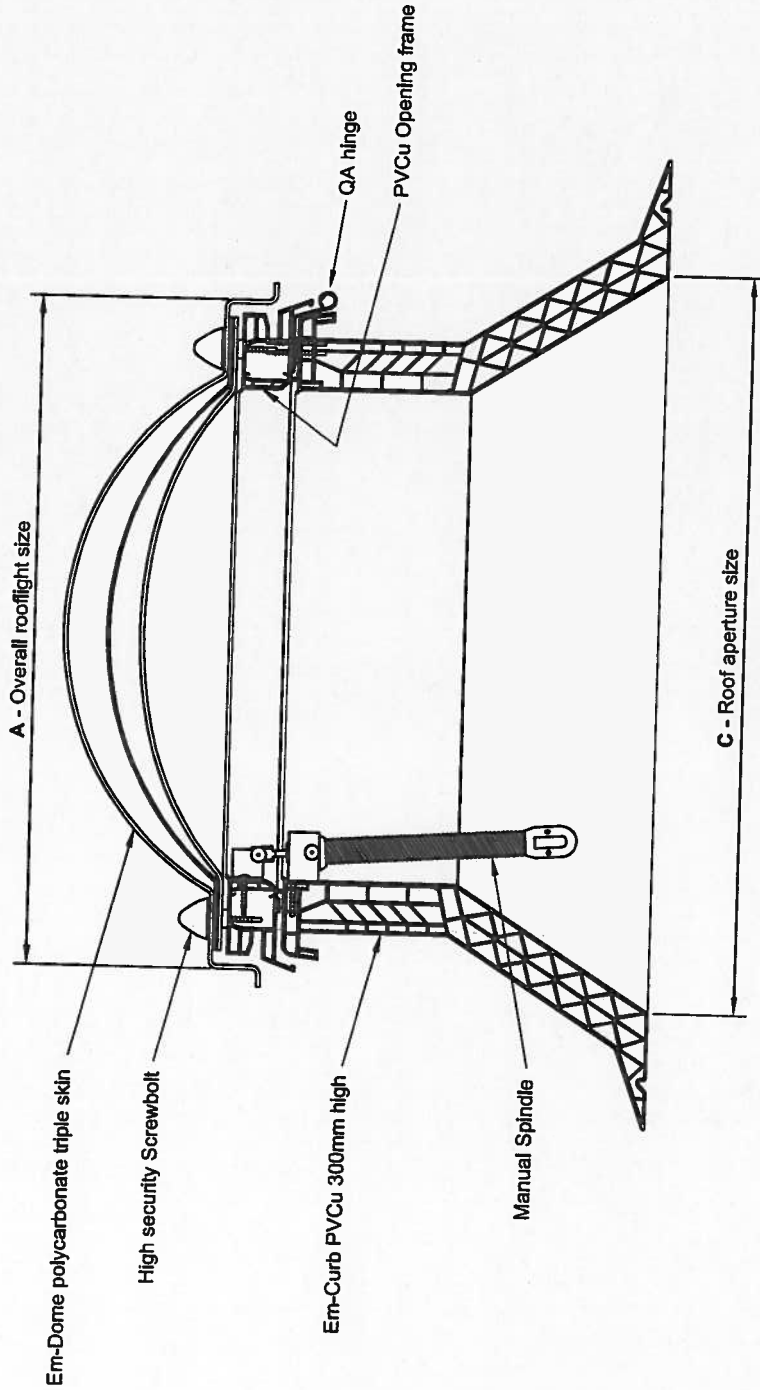
Material : PVCu - white self finish

Glazing details : Polycarbonate triple skin

Finish : Specify from Product literature

Other requirements : PVCu opening frame and manual spindle

Fixing : Please consult Whitesales for recommendations



WHITESALES

DRG No 0553

Em-Dome polycarbonate triple skin rooflight  
complete with splayed Em-Curb PVCu 300mm high  
and PVCu opening frame and manual spindle  
installed to prepared roof aperture