

**Availability Table – stock size range**

See trade price list for further details. Over 70 other sizes available to special order.

Size Ref No.	Dome		Builder's curb		Whitesales Em-Curb	
	Dimension A	Dimension B	Dimension C	Dimension D	Dimension C	Dimension D
<b>Square rooflights</b>						
S1	560x560	500x500	600x600	650x650		
S2	660x660	600x600	700x700	750x750		
S3	710x710	650x650	750x750	750x750		
S4	760x760	700x700	800x800	850x850		
S5	860x860	800x800	900x900	950x950		
S6	960x960	900x900	1000x1000	1050x1050		
S7	960x960	900x900	1000x1000	1050x1050		
S8	1060x1060	1000x1000	1100x1100	1150x1150		
S9	1160x1160	1100x1100	1200x1200	1250x1250		
S10	1210x1210	1150x1150	1250x1250	1250x1250		
S10a	1260x1260	1200x1200	1300x1300	N/A		
S11	1360x1360	1300x1300	1400x1400	1450x1450		
S12	1460x1460	1400x1400	1500x1500	1550x1550		
S13	1560x1560	1500x1500	1600x1600	1650x1650		
S15a	1860x1860	1800x1800	1900x1900	N/A		
<b>Rectangular rooflights</b>						
R3	560x860	500x800	600x900	650x950		
R3a	560x1160	500x1100	600x1200	650x1250		
R4	660x960	600x900	700x1000	N/A		
R4a	660x1260	600x1200	700x1300	N/A		
R4b	660x1860	600x1800	700x1900	N/A		
R5	760x1060	700x1000	800x1100	850x1150		
R6	760x1360	700x1300	800x1400	850x1450		
R7	860x1160	800x1100	900x1200	950x1250		
R7a	860x1460	800x1400	900x1500	950x1550		
R7b	860x1760	800x1700	900x1800	N/A		
R10a	960x1260	900x1200	1000x1300	N/A		
R11	960x1460	900x1400	1000x1500	1050x1550		
R11a	960x1860	900x1800	1000x1900	N/A		
R16	1060x1360	1000x1300	1100x1400	1150x1450		
R16a	1060x1660	1000x1600	1100x1700	1150x1750		
R17	1160x1460	1100x1400	1200x1500	1250x1550		
R18	1160x1760	1100x1700	1200x1800	1250x1850		
R20	1160x2360	1100x2300	1200x2400	1250x2450		
R22b	1260x1860	1200x1800	1300x1900	N/A		
R22c	1260x2460	1200x2400	1300x2500	N/A		
<b>Circular rooflights</b>						
C1	560ø	500ø	N/A	650ø		
C2	660ø	600ø	N/A	750ø		
C3	760ø	700ø	N/A	850ø		
C4	860ø	800ø	N/A	950ø		
C5	960ø	900ø	N/A	1050ø		
C6	1060ø	1000ø	N/A	1150ø		
C7	1160ø	1100ø	N/A	1250ø		
C8	1260ø	1200ø	N/A	1350ø		

\* 3 Fix one open.

~~Double 507.00 Fix~~  
~~Single 345.00 Fix~~  
~~158.00 Double.~~

**Limitation on use**

Em-Domes and related products as described in Whitesales literature are designed for use in normal circumstances on flat roofs up to 15° pitch. For applications in excess of 15° or in unusual circumstances (e.g. extreme temperature or climatic conditions) please refer to Whitesales. Please note that all information supplied is based on our best knowledge and general experience.

Because of factors outside our control which can affect installation and use of products, no warranty is given or implied in respect of information provided. A policy of continuous product improvement applies and Whitesales therefore reserve the right to alter specifications without prior notice.

**Condensation**

Condensation occurs where warm moist air meets cold surfaces. As warm air rises, the risk of condensation forming at rooflight level is relatively greater than at lower level. The risk can be minimised by specifying double or triple skin Em-Domes and Em-Curb insulated upstands. The provision of ventilation may also assist. However, because temperature and humidity levels are clearly beyond our control, no guarantee can be given against the formation of condensation.

**Guarantee**

All Em-Dome rooflights, when installed on Em-Curbs or T-Curbs and in accordance with manufacturers' instructions, are guaranteed against the effects of defective design, materials or construction for a period of ten years from date of supply by Whitesales.

Furthermore, the glazing element of all Em-Domes is warranted against discolouration for ten years subject to certain conditions. Further details available on request.

All other products (e.g. T-Curbs, ventilation systems and other accessories) are guaranteed for 12 months from date of supply by Whitesales.

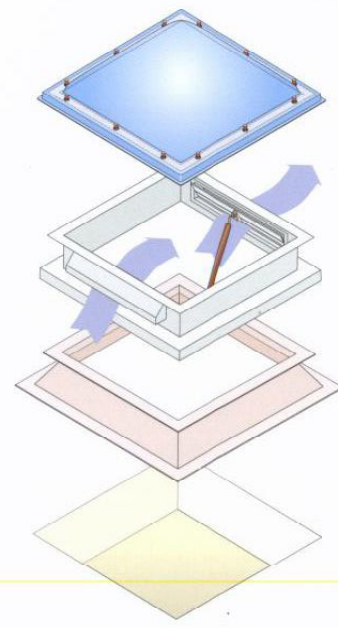
**Technical services**

Full technical literature is available on request. Advice and technical assistance is always available from Whitesales on the application and specification of Em-Dome rooflights and accessories.



Whitesales

**Flat roof  
rooflights**



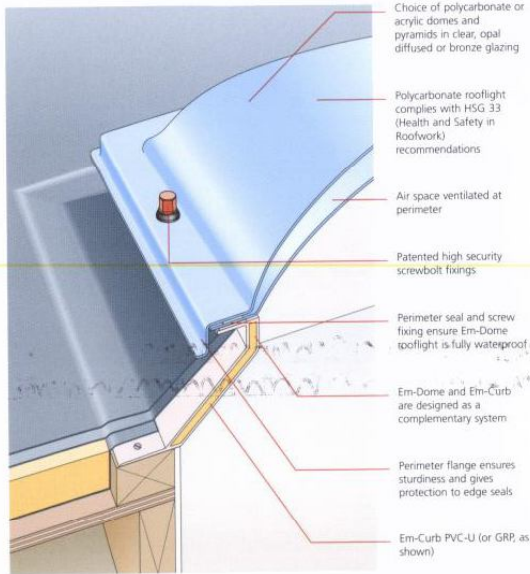
Em-Dome    T-Curb  
 Em-Curb    T-Flange





## Key features of Em-Dome rooflights

Em-Domes are high quality dome rooflights designed to make optimum use of natural light. They are offered in a wide range of sizes, shapes and glazing options.



## Glazing options

Em-Domes are available in polycarbonate or acrylic.

High security screwbolts are fitted as standard to all Em-Dome rooflights. Once installed, the fixing cannot easily be removed. The bolt provides a high level of resistance to tampering or forced entry.

### Standard stock items

Single glazed

Double glazed

Triple glazed

Clear

Opal diffused

### Special order items

Pyramid shape  
single, double and  
triple glazed  
(available in some sizes)

Bronze  
anti-glare

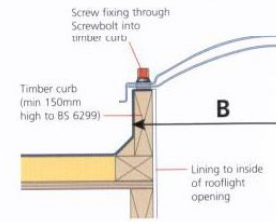
## Curb options

### Direct fixing to builder's curb

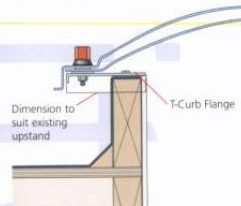
Em-Domes are suitable for direct fixing to a timber builder's curb.

The overall size of the builder's curb, Dimension B, is given in the Availability Table.

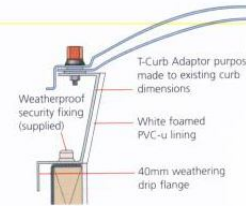
Recommended curb thickness, 50mm.



If existing builder's curb is undersized – order T-Curb flange



If existing builder's curb is oversize – order T-Curb adaptor



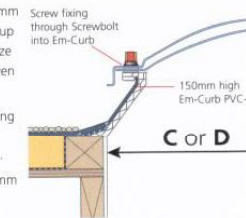
When ordering T-Curb Flange or T-Curb Adaptor, specify the existing internal and external curb dimensions.

### Fixed to Em-Curb PVC-U or insulated Em-Curb GRP

Em-Curb PVC-U (available in 150mm or 300mm high versions) are suitable for use with built-up felt roofing and single ply membranes. The size of the structural opening, Dimension C, is given in the Availability Table.

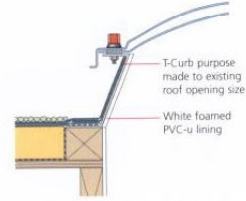
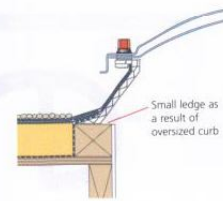
Em-Curb GRP is suitable for use with all roofing materials. The size of the structural opening, Dimension D, is given in the Availability Table.

Stock Em-Curbs are available 150mm & 300mm high in PVC-U, and 150mm high in GRP.



If the Structural roof opening is non standard, either:

1. Order next size up Em-Curb, or
2. Order T-Curb

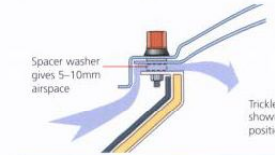


When ordering T-Curb, specify existing roof opening dimensions.

## Ventilation options

### Permanent ventilation

Permanent ventilation is provided by means of spacer washers inserted in the Em-Dome fixings. A gap of 5–10 mm can be provided around the complete perimeter, without compromising the security or weather protection of the rooflight.



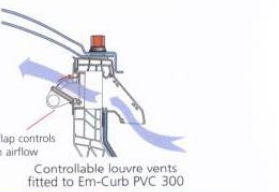
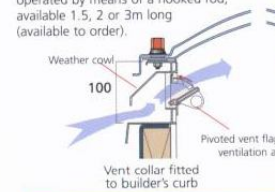
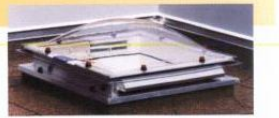
### Trickle ventilation

Trickle ventilators can be factory fitted to the top of Em-Curb PVC 160 and 300mm or PVC opening frames. The vents are fitted to two sides as standard and will provide background ventilation of 8000mm to satisfy the requirements of Building Regulations.



### Controlled ventilation

Vent collars fit between the Em-Dome and builder's curb or Em-Curb 150. For Em-Curb 300, vents are pre-fitted in the side wall. Vents are fitted to two opposite sides. The fully adjustable louvres are operated by means of a hooked rod, available 1.5, 2 or 3m long (available to order).

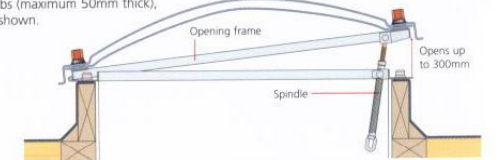


### Opening ventilation

For greater ventilation, hinged opening frames can be supplied. These have a manual spindle operated by a winding rod (available to order). Alternatively, electric spindles and switches are available.



PVC-U frames are factory-fitted to Em-Curbs and T-Curbs/Adaptors. Aluminium frames are supplied for fixing to builder's curbs (maximum 50mm thick), as shown.



### Access hatch

Em-Domes can be converted into an access/escape hatch by the addition of an access frame. Access frames are available in PVC-U and aluminium up to a maximum dome size of 1260 x 1260.

