

# Choosing your Em-Dome rooflight

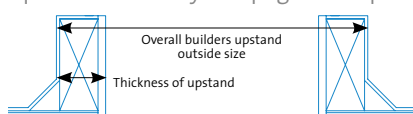
## 1 Uprand

### If there is an existing upstand, please provide:

External dimensions of the upstand

The thickness of the upstand

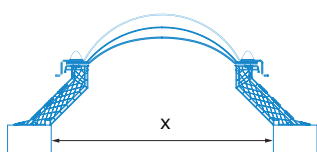
You will require a dome only. See page 10 for prices.



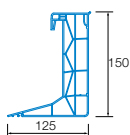
### If a new upstand is required, please provide:

Roof opening size (Figure 'x')

Choice of upstand

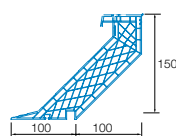


### Uprand options



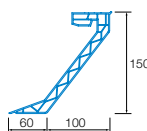
#### Em-Curb PVC 150mm ECO vertical upstand

- Good insulation and thermally broken
- Suitable for most flat roof waterproofing systems



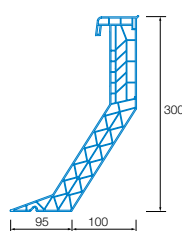
#### Em-Curb PVC 150mm ECO splayed upstand

- 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 PVC 150mm standard splayed upstand

- Good insulation and thermally broken
- Suitable for most flat roof waterproofing systems



#### Em-Curb PVC 300mm ECO splayed upstand

- 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

## 2 Glazing

### What material?

#### Polycarbonate

- Recommended choice
- Impact tested to 1,200 Joules
- Highest fire rating available
- Certified 'Non-Fragile'

#### Acrylic

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

### How many layers of glazing?



#### Single skin

- Suitable for unheated areas
- Specify with caution



#### Double skin

- Economical
- U-Value (2.68W/m²K)



#### Triple skin

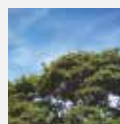
- High insulation (U-Value of 1.78W/m²K)
- Better sound insulation
- Complies with all Building Regulations



#### Quad skin

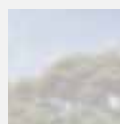
- Best insulation (U-Value of 1.24W/m²K)
- Excellent acoustic rating
- Complies with all Building Regulations

### What type of glazing?



#### Clear

- Very high light transmission – up to 83%
- Direct light to area below
- Care needed to prevent 'solar-overheating'
- Same price as opal diffused



#### Opal diffused

- Maintains high light transmission (up to 58%) whilst evenly diffusing light to area below
- Increased privacy due to translucent finish
- Same price as clear



#### HeatReflect finish - special order

- Reflects 100% ultraviolet light
- Solar transmission as low as 37%
- Reflects up to 63% solar energy
- Options for pearl diffused, neutral clear and neutral diffused glazing
- Enquire for prices



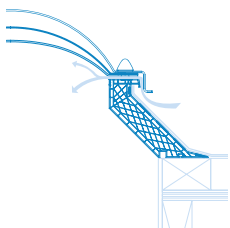
#### Pyramid design - special order

- 30° pyramid (trapezoidal when rectangular)
- Available in most square and rectangular sizes
- Enquire for prices

### 3

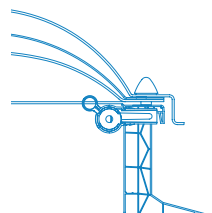
## Ventilation

### Are any ventilation options required?



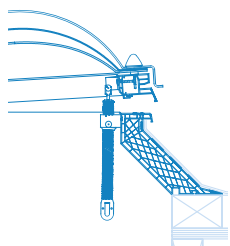
#### Permanent ventilation

- Spacer washer in Em-Dome fixings
- Economical option
- 5-10mm perimeter airspace
- Provides permanent background ventilation



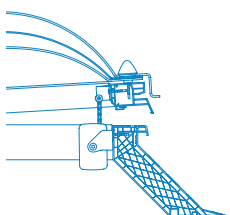
#### Controllable rotating trickle vents

- Easily adjustable
- Innovative fully insulated design
- Fitted to two sides of Em-Curb upstand or adaptors
- 8,000mm<sup>2</sup> ventilation area per pair of vents



#### Manual hinged opening

- Up to 300mm
- Proprietary design



#### Electric hinged opening

- Opens to 400 - 600mm
- Proprietary design
- Smoke ventilator range available



The Em-Dome ECO range features our most environmentally friendly rooflights yet. Maximum light with minimal heat and energy loss. We've boosted thermal and acoustic performance and maintained impressive light transmission, all without compromising on strength, security and aesthetic appeal.

Look for our **eco** symbol....!

### 4

## Accessory options

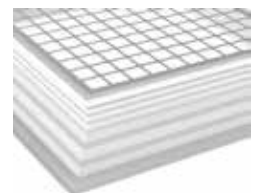
### Are accessories required?

See page 15 for prices.



#### Operating rod

For controllable trickle ventilation or manual hinged opening.



#### Security grid

Providing extra strength to the completed installation whilst acting as a deterrent to potential intruders.



#### Powered extract fans

For when natural ventilation is insufficient.



Retractive switch



Rain sensor



Thermostat



Control panel



Remote control



Wind sensor



For complete unit prices, refer to pages 11 to 14 according to choice of upstand, glazing and ventilation in steps 1-4