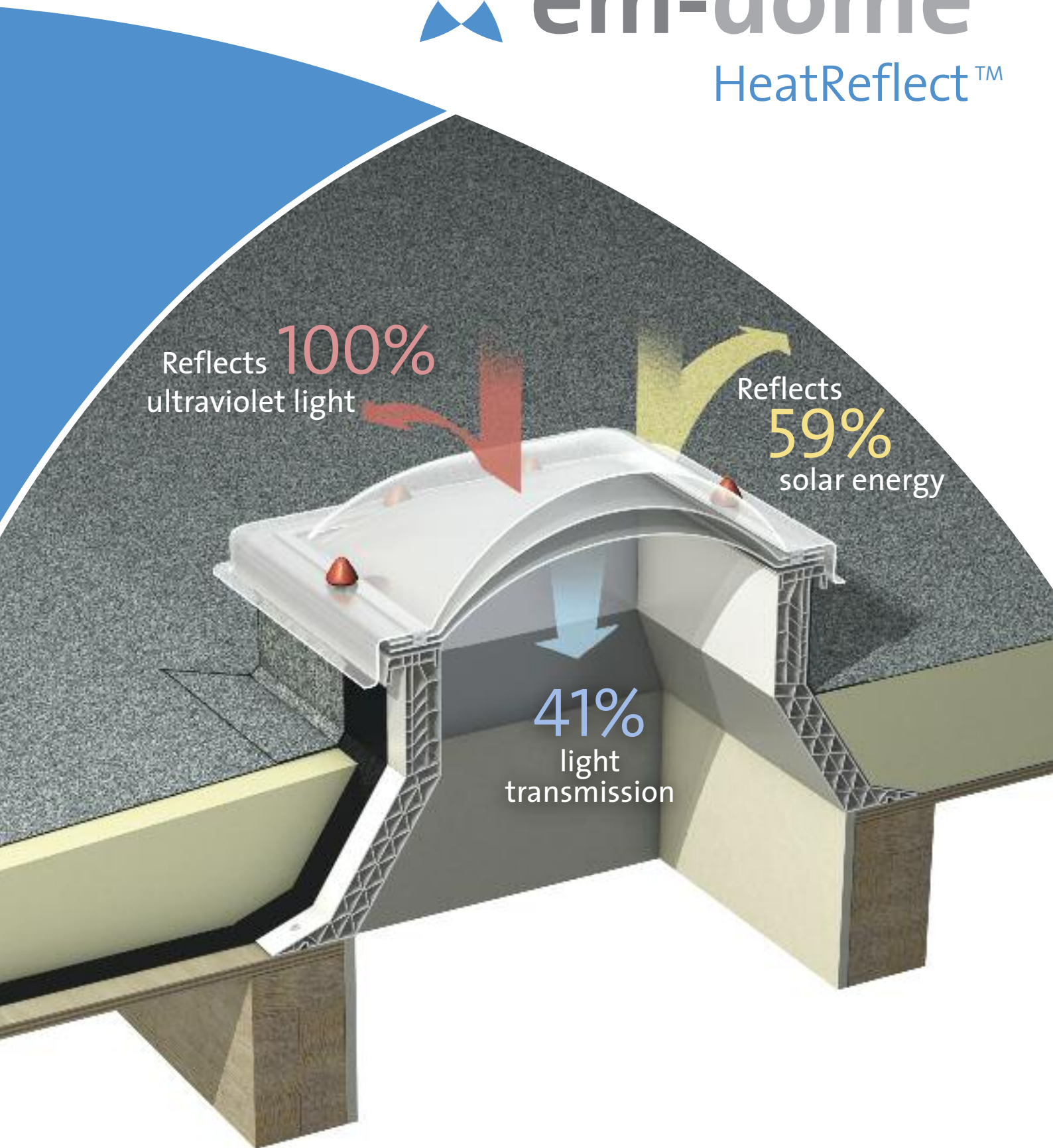


# em-dome<sup>®</sup> HeatReflect<sup>™</sup>



Reflects **100%**  
ultraviolet light

Reflects **59%**  
solar energy

**41%**  
light  
transmission

Innovative rooflight solutions  
Unsurpassed service



Whitesales<sup>®</sup>  
Rooflights & more...

# HeatReflect™ Em-Dome® rooflight



## Features

- Reflects up to 71% of Solar Energy
- Maintains proven benefits of natural daylighting, whilst minimising 'solar overheating'
- Reduces carbon footprint with lower energy usage
- Reflects 100% ultraviolet radiation
- Hot box tested to BS EN ISO 12567-2
- CE certified according to EN 1873

## Description

HeatReflect is an advanced solar reflective glazing which reduces ultraviolet radiation. This brings the benefit of natural daylight whilst minimising the heat transmitted through the glazing.

The HeatReflect Em-Dome is constructed from thermoformed extruded polycarbonate sheet, with a heat resistant effect which stops infra-red rays and reduces heat build-up under the rooflight. The rooflight finish is opal tinted.

## Applications

HeatReflect Em-Dome rooflights have been used extensively in schools, libraries, other public buildings and also other buildings where minimising the heat build-up is important. Using HeatReflect Em-Dome rooflights also reduces the energy consumption required for artificial lighting and cooling.

## Em-Dome rooflights

Available in over 130 sizes, in single, double, or triple glazed, in dome, pyramid or trapezoid permutations.

### Polycarbonate glazing

250 times stronger than glass. Virtually unbreakable glazing provides high level of safety and security.

### Factory fitted patented security screwbolts

Patented security screwbolts offer a high level of security whilst providing the benefits of a pre-drilled fully assembled dome.

## Performance of glazing materials

Typical values	Polycarbonate	
Water tightness	to EN 1873: 2005 pt 5.5	Pass
Impact resistance	to EN 1873 ACR (M): 001 2005	1200 Joule Class B
Air permeability	to EN 12152: 2002	Class A4
Guarantee	Standard	10 years
Fire rated	BS476: Part 3	Class AA
Service temperature		-50 to 120°C

## Glazing specification

	HeatReflect Triple skin clear
Thermal transmission (W/m <sup>2</sup> K)	1.78
Light transmission (LT %)	38
Solar heat gain factor (g%)	41
Sound reduction (dB)	22

Value given for triple skin rooflight HeatReflect/Clear/Clear