Mardome Reflex

NBS125

Mardome Reflex NBS Specification

Consult Brett Martin Daylight Systems early in the design process as we can provide in-depth assistance with design and specification.

Mardome Reflex is a 'glazing only' specification rooflight option designed for refurbishment projects where only the glazing is being replaced.

Mardome Reflex is available with 70mm or 100mm flat flanges providing the flexibility for fixing to existing kerbs of varying dimensions.

Mardome Reflex is available in a curved dome or a pyramid profile in either clear or opal tint or a textured glazing option. A wide range of sizes in single, double and triple skin polycarbonate glazing are available. The light transmission values of the glazing options can be seen below, along with data for the U-Values regarding different glazing types.



- Glazing only for refurbishment applications.
- Contemporary design (dome and pyramid options).
- U_r-value to as low as 1.26 W/m^{2}K.
- Options to satisfy requirements for light transmission and thermal performance.

Thermal Performance (England, Scotland and Wales)			
Size range	Surface:area ratio	DOUBLE SKIN Ur / Urc value W/(m^2.K)	TRIPLE SKIN Ur / Urc value W/(m^2.K)
600 x 600	1.11	1.94	1.26
1800 x 2400	1.03	2.66	1.77

*The overall thermal performance of rooflights is still referred to as a U_d-value in the building regulations, rather than U_r/U_{rc} value as per the calculation method. Values stated are therefore equivalent to a U_d-value assessed horizontally.

Tint	Lighting effect	Light Transmission (%) DIN 5036		
		Single Skin	Double Skin	Triple Skin
Clear	High Visibility	90%	85%	78%
Patterned	Privacy	84%	78%	72%
Opal	Diffused Light & Solar Control	37%	35%	32%

Consult Brett Martin Daylight Systems technical literature for further details.

Full NBS Specification clause OVER PAGE

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Email: daylight@brettmartin.com **Web:** www.brettmartin.com

Product ref: Mardome Reflex rooflight – glazing only 'Refurbishment' Specification Dome

Type: Sleek, contemporary aesthetics inside and out:
Low rise curved profile glazing / Low rise pyramid profile glazing.

Size: Rooflight size in mm (equals overall external dimension of builders upstand):
450 x 450 / 600 x 600 / 600 x 750 / 600 x 900 / 600 x 1050 / 600 x 1200 / 600 x 1350 / 600 x 1500 / 600 x 1650 / 600 x 1800 / 750 x 750 / 750 x 900 / 750 x 1050 / 750 x 1200 / 750 x 1350 / 750 x 1500 / 750 x 1650 / 750 x 1800 / 750 x 1950 / 900 x 900 / 900 x 1050 / 900 x 1200 / 900 x 1350 / 900 x 1500 / 900 x 1650 / 900 x 1800 / 900 x 1950 / 900 x 2100 / 1050 x 1050 / 1050 x 1200 / 1050 x 1350 / 1050 x 1500 / 1050 x 1650 / 1050 x 1800 / 1050 x 1950 / 1050 x 2100 / 1050 x 2250 / 1200 x 1200 / 1200 x 1350 / 1200 x 1500 / 1200 x 1650 / 1200 x 1800 / 1200 x 1950 / 1200 x 2100 / 1200 x 2250 / 1200 x 2400 / 1350 x 1350 / 1350 x 1500 / 1350 x 1650 / 1350 x 1800 / 1350 x 1950 / 1350 x 2100 / 1350 x 2250 / 1350 x 2400 / 1500 x 1500 / 1500 x 1650 / 1500 x 1800 / 1500 x 1950 / 1500 x 2100 / 1500 x 2250 / 1500 x 2400 / 1650 x 1650 / 1650 x 1800 / 1650 x 1950 / 1650 x 2100 / 1650 x 2250 / 1650 x 2400 / 1800 x 1800 / 1800 x 1950 / 1800 x 2100 / 1800 x 2250 / 1800 x 2400. Non-standard sizes also available (...mm x...mm roof opening.)

Glazing Details: Outer glazing to be 3mm Marlon FSX Polycarbonate glazing with co-extruded UV protection
Thermal Options:
Single Skin / Double Skin / Triple Skin
Tint options:
Clear / Patterned / Opal
See table for U-values and light transmission levels.
Fire performance: Class B-s1,d0 to BS EN 13501-1

Other Requirements: 10 year commercial products warranty available on Mardome range.
BBA Approval (certificate number 06/4385)

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 06/4385

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