

mardome

Dome Rooflights

Product Description

Brett Martin Daylight Systems dome rooflights are manufactured from polycarbonate, under an ISO9001 approved design and manufacturing system. They are available clear, or with diffused surface to provide even light distribution without loss of light transmission. They are also available with tinted or opal outer sheets. The outer surface has a co-extruded UV resistant layer to prevent ultra violet damage to the substrate. Brett Martin Daylight Systems polycarbonate has been tested for fire retardance in accordance with Class B s1, d0 to BS EN 13501: Part 1 and achieves a Class 1 fire rating. It is also deemed to have an SAA fire rating by the Building Regulations.

Dome rooflights are out of plane rooflights.

Handling

Brett Martin Daylight Systems Rooflights can have sharp edges and corners and should be regarded as a hazard; protective measures such as gloves and safety clothing should be worn when handling these products. As domes have a large surface area they become difficult to handle in windy conditions. Special care should be taken when lifting to roof level or carrying across exposed rooftops.

Products can be heavy, so Brett Martin Daylight Systems strongly recommend that manual handling is always conducted by a minimum of two people per product.

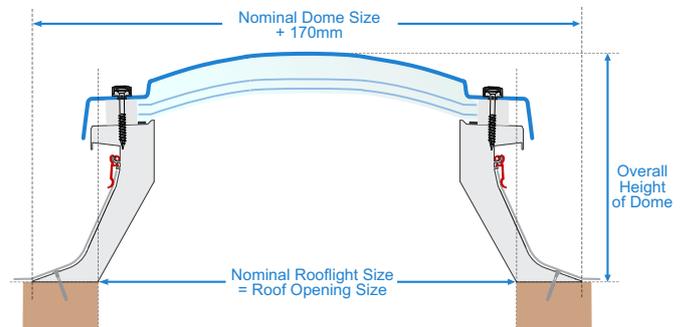
Mardome Rooflight products have differing height and weight. As this value varies with rooflight size and specification, a range of values is quoted below. For more details contact Brett Martin Daylight Systems.

Description	Min	Max
	450 x 450	1800 x 2400
Reflex Dome direct to builders upstand	2.1 Kg	37.9 Kg
	Min	Max
	600 x 600	1800 x 2400
Fixed Trade Dome with sloped kerb	10.9 Kg	71.9 Kg
Fixed Trade Dome with 300mm kerb	13.3 Kg	79.7 Kg
Fixed Ultra Dome with sloped kerb	17.4 Kg	94.7 Kg
Fixed Ultra Dome with 300mm kerb	19.8 Kg	102.5 Kg
	Min	Max
	600 x 600	1800 x 1800
Opening Trade Dome with sloped kerb	15.0 Kg	61.6 Kg
Opening Trade Dome with 300mm kerb	17.4 Kg	68.3 Kg
Opening Ultra Dome with sloped kerb	18.8 Kg	72.9 Kg
Opening Ultra Dome with 300mm kerb	21.2 Kg	79.6 Kg

Note: Weights based on triple skin dome.

For Trade & Ultra range only:
For Quad skin dome; add 2.4 Kg/m²
For Argon filled Glass dome; add 25 Kg/m²

Handling Continued



Stacking & Storage

Mardome products are often supplied packed in cardboard boxes, or palletised for supply of either large individual units or large quantities.

Brett Martin Daylight Systems strongly recommend that products are left fully packaged right up until installation to help keep the products clean and free from scratches or other damage.

When products are supplied in boxes, boxes must always be stored flat, and the correct way up as indicated by "This Way Up" printed instruction on the individual boxes. Boxes must not be stacked any more than 4 high, in accordance with instructions printed on boxes to avoid damage to products within. Never walk or stand on boxes, as they are likely to collapse.

Where products are supplied on pallets, do not stack pallets. Always keep the products stored flat and the right way up.

Polycarbonate rooflights should not be exposed to weather before installation. They should be stored indoors if possible, or under cover to prevent damage from rain and sun. If this is not feasible, then the products should be covered with a tarpaulin and carefully banded. Never put weights on rooflights.

Maintenance

In typical UK conditions, we would expect these rooflights to remain serviceable in excess of 20 years, subject to correct maintenance.

Mardomes are manufactured from robust and corrosion resistant materials, however rooflights, fixings and sealants should be inspected for damage/signs of corrosion every year. Fixings should be retightened or replaced as necessary. Rooflights should be cleaned using warm water and mild detergent to prevent any growth which may attack the protective surface, or dirt accumulation which could lead to heat build up. For cleaning off spillages such as paint or bituminous products suitable solvents include: Ethanol (ethyl alcohol), Isopropanol (isopropyl alcohol) and White Kerosene (paraffin).

TECHNICAL SUPPORT: For any technical information/queries please contact your supplier.

The manufacturer operates a policy of continuous product improvement, and reserves the right to alter specifications at any time without notice. Every effort has been taken to ensure all details contained in this document are correct at the time of going to press but this document should be used only as a guide and does not in any way form part of a contract or warranty. It is the customer's responsibility to ensure that the product is suitable for the actual conditions of use, which are beyond the control of the manufacturer.

Maintenance

Always apply at room temperature and NEVER in direct sunlight, then follow general cleaning instructions as above. The use of harsh chemicals or abrasive cleaners should be avoided.

Rooflights should not be painted over with an opaque covering. This can be dangerous, and may cause premature failure.

CDM Regulations

Mardome Rooflights achieve Class B non-fragility to ACR[M]001 when new and fully installed in accordance with Brett Martin Daylight System's installation guides. Please contact Brett Martin Daylight Systems technical department for further details.

Foot traffic on all rooflights should always be avoided; impacts such as foot traffic or a falling person may cause damage which may necessitate rooflight replacement.

Health Data

Brett Martin Daylight Systems polycarbonate rooflights present no hazards to health. However, precautions should be taken when drilling to ensure the airborne dust concentrations remain within the occupational exposure limit as recommended by the Health and Safety Executive in the latest edition of guidance note EH40₁ (reprinted annually).

Inhalation

There are no significant risks from inhalation, except when drilling quantities of domes with power tools when exposure to large amounts of dust is possible. Irritation to the upper respiratory tract may be caused by exposure to high concentrations of airborne dust. The effect should be transitory and leave no permanent disability but the use of face masks is recommended wherever dust is likely to be a problem.

Skin Contact

Direct contact with dust on the skin may cause slight irritation. The severity will vary from individual to individual but in all cases may be reduced or eliminated by wearing suitable protective clothing.

Eye Contact

Treatment for particles of polycarbonate dust caught in the eye is as for any other form of dust. Flush the eye with copious quantities of clean water and seek medical attention. When using powered drilling tools always wear goggles.

Ingestion

Polycarbonate sheeting has very low toxicity and may be considered biologically inert.

Fire & Explosion Hazard Data

Brett Martin Daylight Systems polycarbonate sheeting has been tested in accordance with BS EN 13501: Part 1. It burns with difficulty and generally requires a continuous external flame source to sustain combustion. Without flashover fire conditions it will tend to extinguish itself. The combustion products have been found to be non-corrosive.

In the event of a fire cool with water.

Manufacturer

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