

Setting the standard for safe and weather-tight glass roofs

ThermGard TG50 Aluminium Rooflight System



Non-Fragile

Class 2 CWCT TN66/67 & TN92



Thermally Efficient

Double, triple and solar control options



Air-Tight

Class 4 to BSEN12207



Variable Pitch Minimum 5°



Weather-Tight

Class E1650 to BS EN12208

Available supply only or supply & fix via our network of national dealers for Commercial, Public or Domestic buildings

Data Sheet **ThermGard TG50 Rooflight System**

Type: Thermally broken box-bar with continuous carrier rail, pressure plate, gasketry and decorative external cover

Specification: Glazing bar, capping and fittings extruded Aluminium Alloy 6063-T6. Fasteners provided are Stainless Steel Grade A2 and PVC co-extruded thermal barrier with co-extruded pressure plate and gaskets.

Performance: Designed to conform with the requirements of BS5516 2004 Parts 1 & 2 for the design & installation of sloping and vertical patent glazing when installed within the manufacturers recommendations.

Minimum Pitch: 5°

Thermal Efficiency: Typical averaged Uvalues including glass and frame are:

Double Glazed IGU Centre Pane Uvalue $1.1W/m^2.K = 1.50W/m^2.K$
Double Glazed IGU Centre Pane Uvalue $1.0W/m^2.K = 1.41W/m^2.K$
Triple Glazed IGU Centre Pane Uvalue $0.50W/m^2.K = 0.95W/m^2.K$

Air Permeability: Independently assessed and achieved BSEN12207:2016 Class 4
Average air-flow $0.71m^3/h.m^2 @ 600Pa$

Weather Tightness: Independently assessed and achieved BSEN12208:2000 Class E1650

Fixing: Fixing to steel is with 2no stainless steel self-drilling screws top and bottom or No10 x 11/2" wood screws when fixing to timber. Alternatively, single hole fixing shoes are available if required.

Appearance: Materials are supplied Mill Finish as standard or may be polyester powder coated to standard RAL or BS colours to BS6496.

Infill: Suitable to receive 24mm to 46mm double or triple glazing and polycarbonates. Other infills may be incorporated including Photo Voltaics, Composite Panels, GRP and Solar Thermal Panels.

Fire Rating BS476 : External Fire Exposure: AA
Non-combustibility: Non-combustible
Surface Spread of Flame: Class 1

Non-Fragility & CDM Regulations: Tested to CWCT TN66-67 and classified Class 2 Non-Fragile. May be deemed to comply with CWCT TN92 when used with recommended glass specifications.



Visit www.lonsdalemetal.co.uk for more details or call our Technical Design Team for expert, friendly advice on
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