



QUANTUM ACCESS HATCHES

DESIGNED AND MADE IN THE UK

WILL FIT MOST ROOF AND CLADDING SYSTEMS

STANDARD AND CUSTOM SIZES AVAILABLE

COMPLETE SUPPLY AND INSTALLATION SERVICE

POWER-ASSISTED OR MANUALLY-OPERATED

CLEAR OR SOLID LIDS: DOMED OR FLAT

HEAVY-DUTY HINGES AND HANDLES

SINGLE OR MULTIPLE GAS-OPERATED STRUTS

LOCKABLE FROM INSIDE OR OUT

SINGLE OR MULTIPLE SKIN/PLY CONSTRUCTION

WITH OR WITHOUT INTEGRAL HANDRAILS

SMOKE ACTIVATED SYSTEMS AVAILABLE

M.R. (SITE SERVICES) LTD

Worcester Trading Estate,
Blackpole, Worcester WR3 8HR,
England

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Quantum Access Hatches are British-made, low-profile hatches designed for all types of flat /low pitched roof, including secret fix standing seam roofs. Designed to comply with all relevant UK and European safety standards, the clever design and structural integrity of Quantum Access Hatches make them the natural choice for specifiers and installers.

Quantum® Access Hatches have been developed to meet the tough demands of the UK and European construction industries, and are designed to fit onto all types of flat roof – especially aluminium and steel standing-seam.

In keeping with all other products in the well-known Quantum range, each Quantum Access Hatch has flexibility built-in to allow for variable applications and on-site adaptations for unexpected penetrations.

Manual, powered, electro-magnetic, smoke-operated and solar-activated models are available with single, twin or multiple gas-assisted struts.

Quantum Access Hatches are usually made-to-order although standard sizes 900 x 750, 900 x 900 and 1000 x 1000mm are kept in stock.

Finishes include: stucco embossed; mill finished; colour coated; steel; stainless steel; copper; aluzinc and plastisol.

- Domed hatches
- Soffit hatches
- Mechanical operated smoke vents with 9-metre operation
- Electrically-operated smoke vents
- Smoke-activated hatches
- Power-assisted hatches
- Sliding hatches
- Vertical hatches (doors)
- Hatches with integral handrail systems
- Hatches for single skin systems
- Hatches for single ply systems

All Quantum Access hatches feature a unique hinge system for optimum performance and come with a full manufacturers' warranty.



QUANTUM BS1

3MM HEAVY GAUGE
ALUMINIUM

HIGH QUALITY HINGES,
LOCKS AND CLASPS

POWER-ASSISTED OR
MANUALLY-OPERATED

HEAVY-DUTY HINGES
AND HANDLES

SINGLE OR MULTIPLE
GAS-OPERATED STRUTS

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WARRANTY

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Quantum BS1 is the Rolls Royce of access hatches – a bespoke, low profile aluminium unit, designed for mounting onto all types of flat roof, especially aluminium and steel standing-seam roofs.

Featuring specially-designed clasps and locks, this hatch is ideally suited for situations where the highest levels of security must be maintained.

Construction

Fully welded 3mm heavy gauge aluminium outer lid with 3mm aluminium inner skin.

Finish

Supplied either mill-finished, powder coated to match BS/RAL specifications or painted using the PPG Duranar ADS paint system which meets or exceeds the durability and colour retention criteria of AAMA no 2605.

Fixing

Dependant on roof type, either fixed to a welded aluminium standing seam soaker with fully insulated 150mm minimum aluminium upstand, or Roll-A-Flex installation into a steel roof or similar.

Weather sealing

All Quantum Access hatches are fitted with rubber inner seals for weather and draught proofing. Externally, the joint between hatch and roof is either welded or sealed with Roll-a-Flex (see separate information).

Insulation

50mm thick rigid CFC and HCFC free insulation is sandwiched between the outer lid and inner skin to provide thermal insulation against condensation and heat loss.

U-Value: 0.43 W/m2 to BS3958: Part 5: 1986 Sound reduction: 45db Rw in accordance with ISO 140-3: 1995.

Durability

Strong and lightweight. Corrosion-free.

Dimensions

Manufactured specifically to fit the required opening.

Weight

Approximately 36kg per square metre.

Maintenance

Should be inspected annually. See maintenance schedule.

Sales and after-sales support

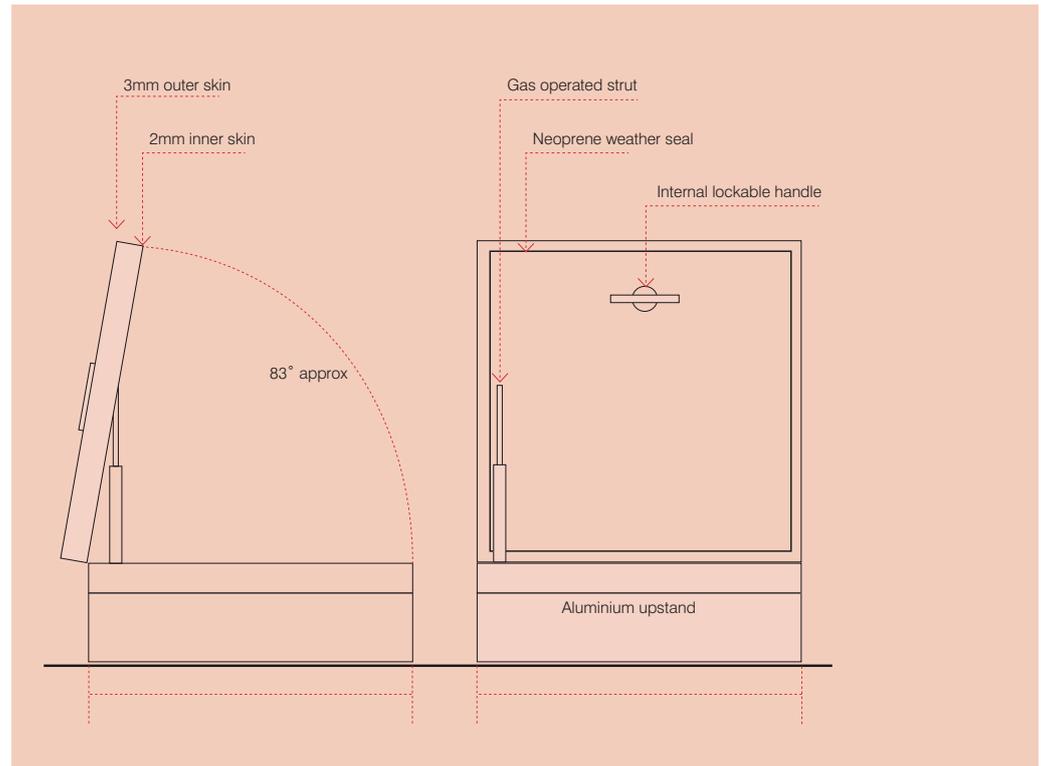
CAD (.dwg) files for direct import into your drawings can be provided.

Call the sales office for more details.



QUANTUM BS1

QUANTUM BS1 DIMENSIONS



Quantum Access Hatches

The Quantum BS1 Access Hatch allows two-way access to and from the interior of the building and provides a quick easy and safe method for the inspection, and routine maintenance, of all roof mounted equipment, machinery and services.

Can be made lockable from both inside and outside with heavy-duty secure fittings, this model is particularly suited for use in warehouses, vaults, prisons and other establishments where the highest levels of security are necessary.

Fire resistance

Quantum access hatches are available Non Fire Rated, One, Two or Three Hour Fire Resistance for integrity to BS476: Parts 21 and 22: 1987.

Options

To allow light into the interior, a version with a clear polycarbonate lid is available. See separate specification for Quantum CD 1 Access Hatch.

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QUANTUM ECO ACCESS HATCH

ALL ALUMINIUM
CONSTRUCTION

WILL FIT MOST ROOF AND
CLADDING SYSTEMS

STANDARD AND CUSTOM
SIZES AVAILABLE

COMPLETE SUPPLY AND
INSTALLATION SERVICE

OPTIONAL EXTRAS

KERB UPSTANDS

POWER OR MANUAL
OPERATION

CLEAR OR SOLID LIDS:
DOMED OR FLAT

HEAVY-DUTY HINGES
AND HANDLES

SINGLE OR MULTIPLE
GAS-OPERATED STRUTS

LOCKABLE FROM
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SINGLE OR MULTIPLE
SKIN/PLY CONSTRUCTION

SMOKE ACTIVATION
SYSTEMS

M.R. (SITE SERVICES) LTD

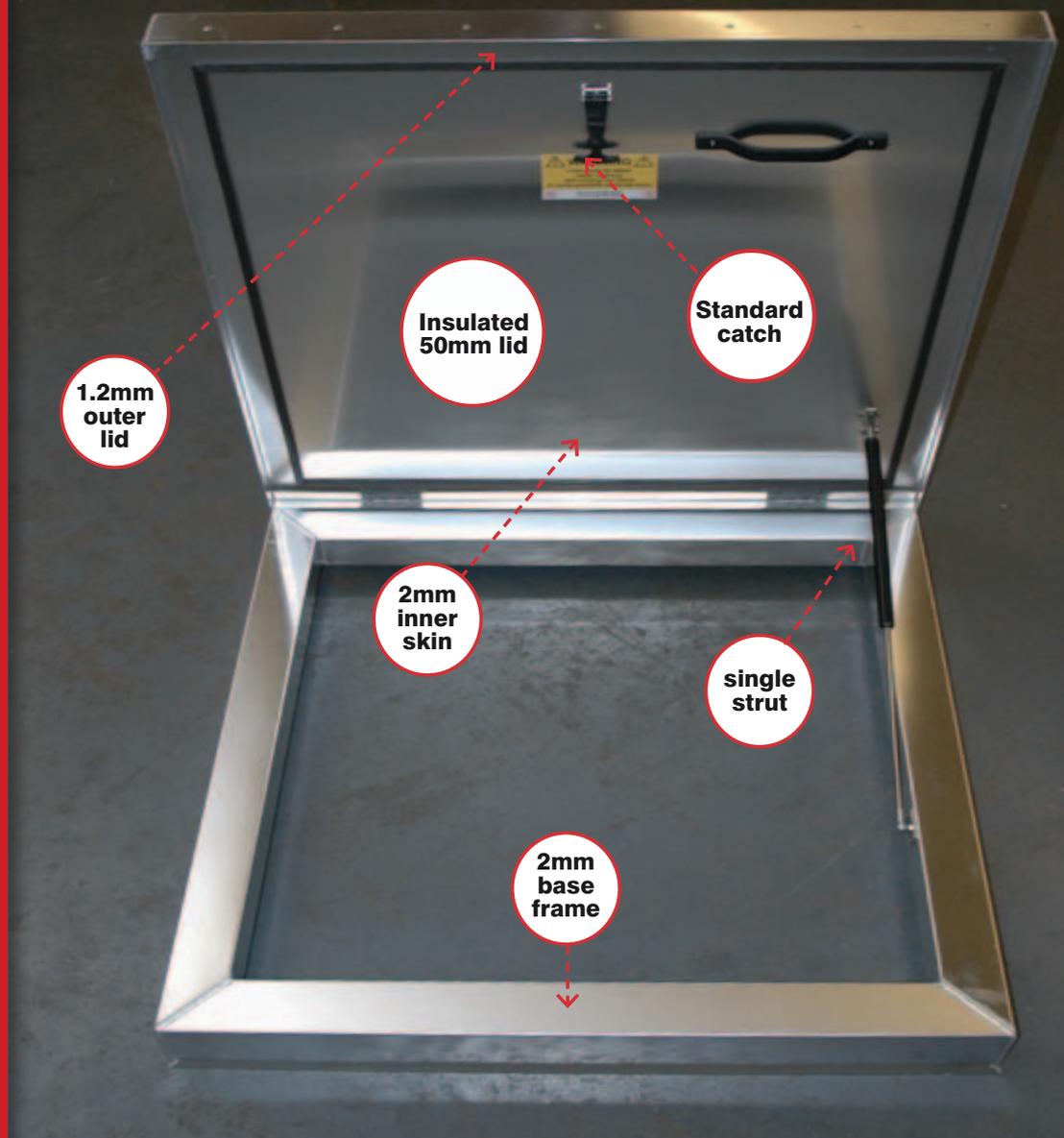
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Quantum ECO is a budget, low profile access hatch designed for mounting onto all types of roof. For aluminium and steel standing-seam roofs, a separate kerb upstand, is available.

Quantum ECO is manufactured from 100% recyclable aluminium and carries a full manufacturer's warranty.

The innovative design of Quantum Eco Access Hatch provides a product range which meets the demands of specifiers and installers.

Construction

Fully welded 1.2mm stucco embossed aluminium outer lid with 2mm aluminium inner skin. 2mm base frame.

Finish

Can also be supplied either mill-finished, powder coated to match BS/RAL specifications or painted using the PPG Duranar ADS paint system which meets or exceeds the durability and colour retention criteria of AAMA no 2605.

Fixing

Dependant on roof type, either fixed to a previously installed kerb upstand, welded aluminium soaker with fully insulated 150mm minimum aluminium upstand, or via Roll-A-Flex into a steel roof or similar.

Mechanism

Specially designed heavy-duty hinges. Gas assisted strut for ease of opening and closing.

Security

Inner latch mechanism (not lockable as standard) for access from the inside.

Weather sealing

All Quantum Access hatches are fitted with rubber inner seals for weather and draught proofing.

Insulation

Rigid insulation is sandwiched between the outer lid and inner skin to provide thermal insulation against condensation and heat loss. U value 0.45W/m²K.

Durability

Strong and lightweight. Corrosion-free.

Dimensions

Standard sizes: 750 x 750mm;
900 x 900mm; 1000 x 1000mm

Weight

Approximately 30kg per square meter.

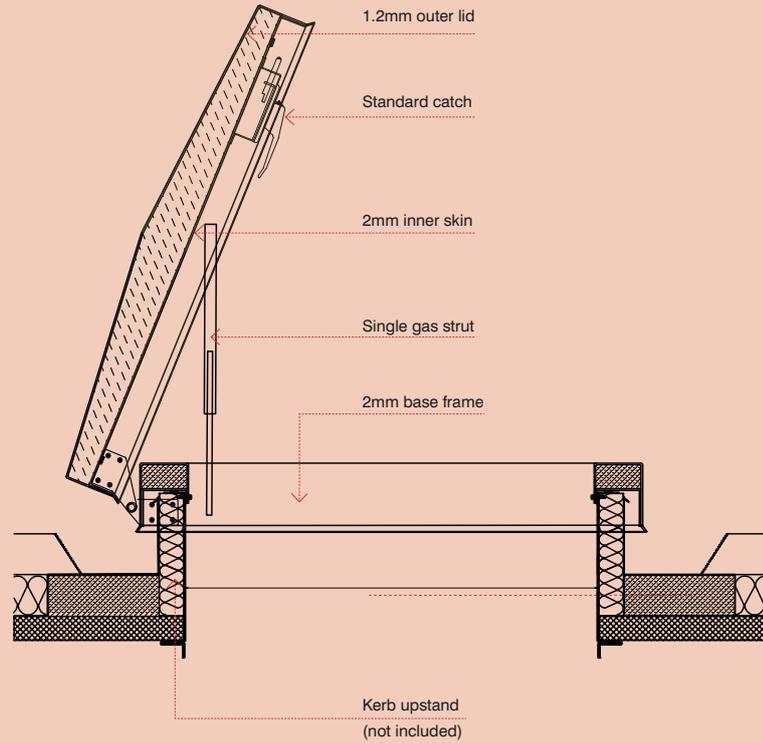
Sales and after-sales support

CAD (.dwg) files for direct import into your drawings can be provided. Call the sales office for more details.



QUANTUM ECO

QUANTUM BS1 DIMENSIONS



Quantum Access Hatches

The Quantum Eco Access Hatch provides a quick, easy and safe method for the inspection, and routine maintenance, of all roof mounted equipment, machinery and services.

Kerb upstand

The upstand is not provided with any Quantum Access Hatch, but can be manufactured to suit. Contact the sales office for further information.

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QUANTUM CD1 ACCESS HATCH

ALL ALUMINIUM
CONSTRUCTION WITH
POLYCARBONATE INFILL

WILL FIT MOST ROOF AND
CLADDING SYSTEMS

STANDARD AND CUSTOM
SIZES AVAILABLE

COMPLETE SUPPLY AND
INSTALLATION SERVICE

OPTIONAL EXTRAS

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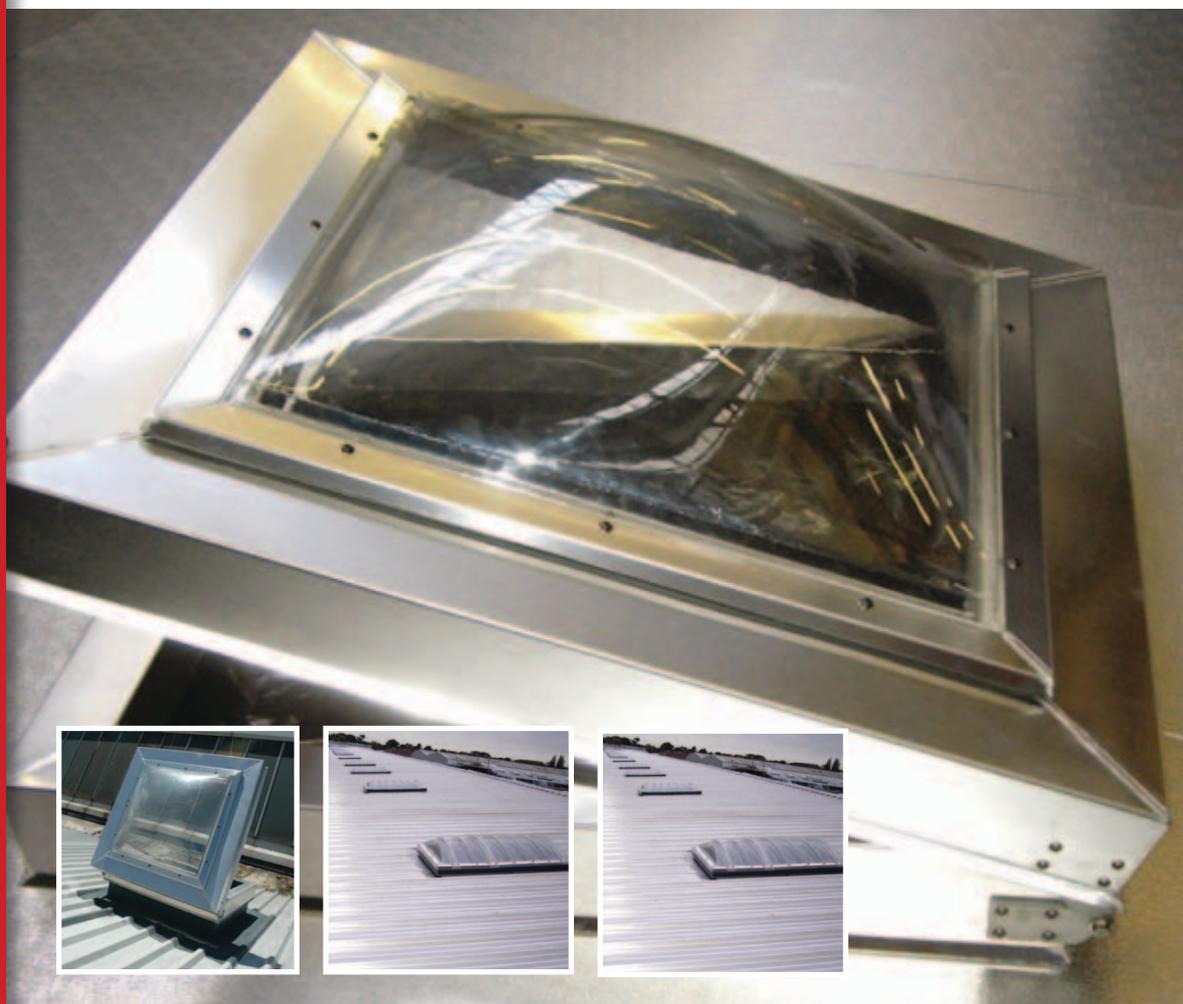
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Quantum CD 1 Access Hatch is a bespoke, low profile aluminium and polycarbonate unit, designed for mounting onto all types of flat roof, especially aluminium and steel standing-seam roofs.

Featuring a strong polycarbonate insert, Quantum CD 1 provides excellent light transmission while retaining the strength, integrity and security inherent in a welded aluminium construction.

The innovative design of Quantum CD Access Hatches provides a product range which meets the demands of specifiers and installers.

Construction

Fully welded 3mm heavy gauge aluminium outer lid with 2mm aluminium inner skin.
High density UV coated clear polycarbonate domed infill to lid.

Finish

Supplied either mill-finished, powder coated to match BS/RAL specifications or painted using the PPG Duranar ADS paint system which meets or exceeds the durability and colour retention criteria of AAMA no 2605.

Fixing

Dependant on roof type, either fixed to a welded aluminium standing seam soaker with fully insulated 150mm minimum aluminium upstand, or Roll-A-Flex installation into a steel roof or similar.

Mechanism

Specially designed heavy-duty hinges.
Gas assisted struts for ease of opening and closing.

Security

Stainless steel hinges, locks and clasps are fitted

as standard, allowing for access from inside and/or outside.

Weather sealing

All Quantum Access hatches are fitted with rubber inner seals for weather and draught proofing. Externally, the joint between hatch and roof is either welded or sealed with Roll-a-Flex (see separate information).

Insulation

50mm thick rigid CFC and HCFC free insulation is sandwiched between the outer lid and inner skin to provide thermal insulation against condensation and heat loss.

Light transmission

90%.

Durability

Strong, lightweight, corrosion-free.

Dimensions

Manufactured specifically to fit the opening.

Weight

Approximately 29kg per square metre.

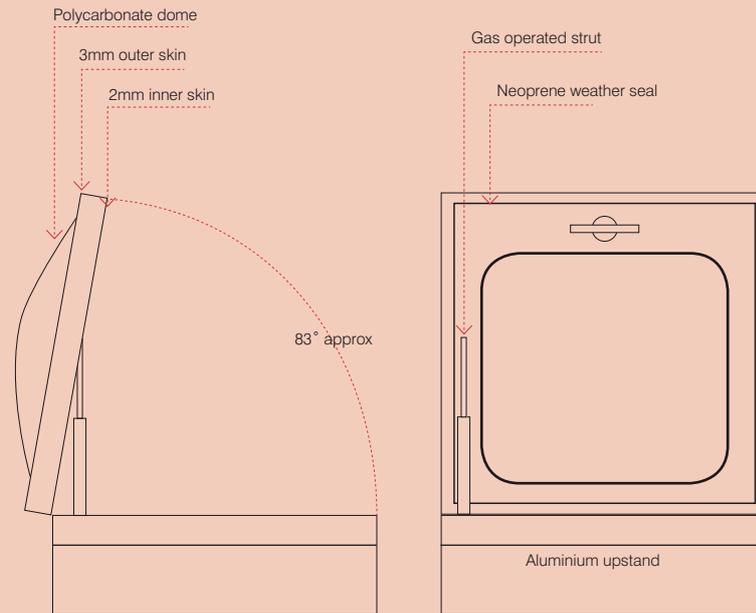
Sales and after-sales support

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Call the sales office for more details..



QUANTUM CD1

QUANTUM BS1 DIMENSIONS



Quantum Access Hatches

The Quantum CD1 Access Hatch allows access from the interior of the building and provides a quick easy and safe method for the inspection, and routine maintenance, of all roof mounted equipment, machinery and services.

The domed polycarbonate lid is 250 times stronger than glass and has excellent light transmission qualities.

Maintenance

Should be inspected annually. See maintenance schedule.

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