



The Ecoglo “Door Handle Marker” is designed to ensure visibility of door handles in escape routes to meet NZBC Clause F6 “Visibility in Escape Routes”. The door handle marker will be effective during failure of the main lighting.

COMPLIANCE

The Ecoglo Door Handle Marker can be used in F6 Alternative Solutions as detailed below.

Phone Ecoglo or email Engineer@ecoglo.com for design advice for alternative solutions.

PERFORMANCE

Performance Standard

New Zealand Building Code Clause F6.3.1 January 2017. Ecoglo photoluminescent escape path markings shall, in the event of a power failure, continue to provide a minimum luminance of 5mcd/m² for the duration prescribed in NZBC Clause F6 whenever the building is occupied.



At 5mcd/m², this Ecoglo escape path marking provides 10m visibility in accordance with NZBC F6.3.1.

The Door Handle Marker is suitable for use indoors and outdoors.

Outdoors

The S20-SQ-60 Door Handle Marker will absorb enough natural light to remain at or above 5mcd/m² 24/7, and therefore meet the Performance Standard.

Indoors

During occupancy the S20-SQ-60 Door Handle Marker must be in a continuously lit environment to ensure it meets the Performance Standard. Ambient light (natural or electrical) is generally suitable, but to confirm check “F6” Compliance information on website or contact Ecoglo.

Operating Temperature Range: -20°C to +40°C*

* For controlled environment (constant temperature) rooms below 0°C contact Ecoglo.

UV Resistance - Loss of luminance after 1000 hrs ASTM G-155

Cycle 1 exposure: <10%: Pass

Salt Spray Resistance - ASTM B117: Pass

Washability - ASTM D4828: Pass

Rate of Burning - ASTM D635: Pass

Surface Flammability - ASTM E162: Pass

Toxicity - Bombardier Toxic Gas Generation Test SMP800-C: Pass

Radioactivity - ASTM D3648: Pass

High Temperature Curing: Pass

SUPPLY

The product is available in 1 size - maximum viewing distance 24 metres.

PRODUCT CODE	PRODUCT NAME	MARKER DEFINITION	MARKER SIZE
S20-SQ-60	Door Handle Marker	Not applicable	60mm x 60mm

COMPOSITION

The high visibility flat panel is manufactured from 5005 0.9mm aluminium sheet. Custom made photoluminescent pigments are embedded in thermoset polyester carriers to integrally bond the active ingredients onto the aluminium sheet following curing at high temperature.



INSTALLATION

The marker is supplied with pre-fitted release tape for mounting flat on a door.

Contact

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