



Operating Temperature Range: -10°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 metre and 1.5 metre lengths.

PRODUCT CODE	PRODUCT DESCRIPTION	PRODUCT LENGTH
H3001T-1000	Handrail Marker 16mm	1000mm
H3001T-1500	Handrail Marker 16mm	1500mm

COMPOSITION

Ecoglo H3-001 Handrail Marker is manufactured from extruded 6063T5 aluminium section. Custom made photoluminescent pigment are embedded in thermoset polyester carriers to integrally bond the active ingredients into the aluminium following curing at high temperature. The photoluminescent area is also recessed into protective channels.



INSTALLATION

Installation needs to be carried out strictly in accordance with the Ecoglo installation instructions.

Consult Installation Instructions on website for full details and surface preparation.

H3-001T-1000 Release tape pre-fitted

H3-001T-1500 Release tape pre-fitted

END CAPS

Metal end caps to fit H3-001 are also available if required (see insert). These are fixed using a screw or rivet and are suitable for use outdoors.

HREC3 Metal End Cap

The H3-001 Handrail Marker is designed to ensure visibility of handrails in escape routes to meet NZBC Clause F6 'Visibility in Escape Routes'. The Handrail Marker will be effective in all light conditions including during failure of the main lighting.

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.

UL 1994 tested. At 5mcd/m², this Ecoglo escape path marking provides 10m visibility in accordance with NZBC F6.3.1.

The Handrail Marker is suitable for use indoors and outdoors.

Outdoors

The H3-001 will absorb enough natural light to remain at or above 5mcd/m² 24/7, and therefore meet the Performance Standard.

Indoors

During occupancy, the H3-001 Handrail 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.



Contact

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