



The E2-071 Step Edge Contrast is designed to ensure visibility of steps in escape routes to meet NZBC Clause F6 “Visibility in Escape Routes”. The Step Edge Contrast 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/m<sup>2</sup> for the duration prescribed in NZBC Clause F6 whenever the building is occupied.

UL 1994 tested. At 5mcd/m<sup>2</sup>, this Ecoglo escape path marking provides 10m visibility in accordance with NZBC F6.3.1.

The Step Edge Contrast is suitable for use indoors and outdoors. The anti-slip material provides all weather protection from slips and falls.

### Outdoors

The E2-071 will absorb enough natural light to remain at or above 5mcd/m<sup>2</sup> 24/7, and therefore meet the Performance Standard.

### Indoors

During occupancy, E2-071 Step Edge Contrast 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:** -10°C to +40°C\*

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

**Anti-Slip Properties** - AS/NZS 4586-2004 Classification:

Dry: F Wet: V Ramp: R12. AS4586-2013 Classification: P5

**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 lengths of 100mm increments from 800mm to 1500mm to comply with IBC recommendations to mark the escape path on the front edge of the step to within 50mm of the wall or the side of the step. Custom lengths can also be fabricated on site or in the factory from 2.45 metre or 3.06 metre lengths.

## COMPOSITION

Ecoglo E2-071 Step Edge Contrast is manufactured from extruded 6063T5 aluminium section. Silicon Carbide anti-slip materials and 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

Indoors the E2-071 Step Edge Contrast can be surface mounted on all smooth surfaces. Outdoors the E2-071 Step Edge Contrast can be surface mounted onto concrete.

Maximum recommended length for outdoor installation is 1500mm.

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.

Screws can be used if adhesion is difficult.

*(See order codes below for the product that best suits).*

**E2-071** For polyurethane adhesive fixing  
**E2-071P** Punched for screw fixing

PRODUCT CODE	PRODUCT DESCRIPTION	PRODUCT LENGTH
E2-071-800	Step Edge Contrast 37mm	800mm
E2-071-900	Step Edge Contrast 37mm	900mm
E2-071-1000	Step Edge Contrast 37mm	1000mm
E2-071-1100	Step Edge Contrast 37mm	1100mm
E2-071-1200	Step Edge Contrast 37mm	1200mm
E2-071-1300	Step Edge Contrast 37mm	1300mm
E2-071-1400	Step Edge Contrast 37mm	1400mm
E2-071-1500	Step Edge Contrast 37mm	1500mm

## Contact

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