



The E14-075 Step Edge Contrast is designed to ensure visibility of steps in escape routes for compliance with NCC 2019 Visibility in an Emergency requirements. The step edge contrast will be effective in all light conditions including during failure of the main lighting.

COMPLIANCE

Independently tested in accordance with UL 1994 for 10 metre visibility to meet NCC 2019 BCA Vol. 1 Clause EP4.1 Visibility in an Emergency. The E14-075 Step Edge Contrast complies with AS 1428.1, clause 11.1 d, e, f* and g.

*Black Anti-slip has 5% reflectance, suitable for surfaces with reflectance 17% or greater. Eg concrete, most outdoor timber, and most indoor and outdoor pale-looking surfaces.

Note: Custom colours are available to meet AS1428.1 luminance contrast for any surface colour.

Compliance with AS1428.1 means the E14-075 Step Edge Contrast complies with NCC D3.3(a)(ii) and (iii), required for ALL stairways in all buildings required to be accessible.

Complies with NCC D2.13(v)(B) which requires a minimum P3 in dry conditions and P4 in wet conditions.

PERFORMANCE

30 Minute Evacuation Time

Minimum charging illuminance of 20 lux for 5 minutes will ensure visibility for 30 minutes after failure of the main lighting.

90 Minute Evacuation Time

Minimum charging illuminance of 60 lux for 5 minutes will ensure visibility for 90 minutes after failure of the main lighting.

120 Minute Evacuation Time

Minimum charging illuminance of 80 lux for 5 minutes will ensure visibility for 120 minutes after failure of the main lighting.

Outdoor and daylight installations will absorb enough natural light to be visible throughout the longest winter night.

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

Operating Temperature Range: -20°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 products are available in lengths of 100mm increments from 800mm to 1500mm. Custom lengths can also be fabricated on site or in the factory from 2.45 metre or 3.06 metre lengths.

COMPOSITION

Ecoglo high visibility E14-075 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 E14-075 can be surface mounted on all smooth surfaces. Outdoors the E14-075 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.

E14-075 For polyurethane adhesive fixing
E14-075P Punched for screw fixing

PRODUCT CODE	PRODUCT DESCRIPTION	PRODUCT LENGTH
E14-075-800	Step Edge Contrast 64mm	800mm
E14-075-900	Step Edge Contrast 64mm	900mm
E14-075-1000	Step Edge Contrast 64mm	1000mm
E14-075-1100	Step Edge Contrast 64mm	1100mm
E14-075-1200	Step Edge Contrast 64mm	1200mm
E14-075-1300	Step Edge Contrast 64mm	1300mm
E14-075-1400	Step Edge Contrast 64mm	1400mm
E14-075-1500	Step Edge Contrast 64mm	1500mm

Contact

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