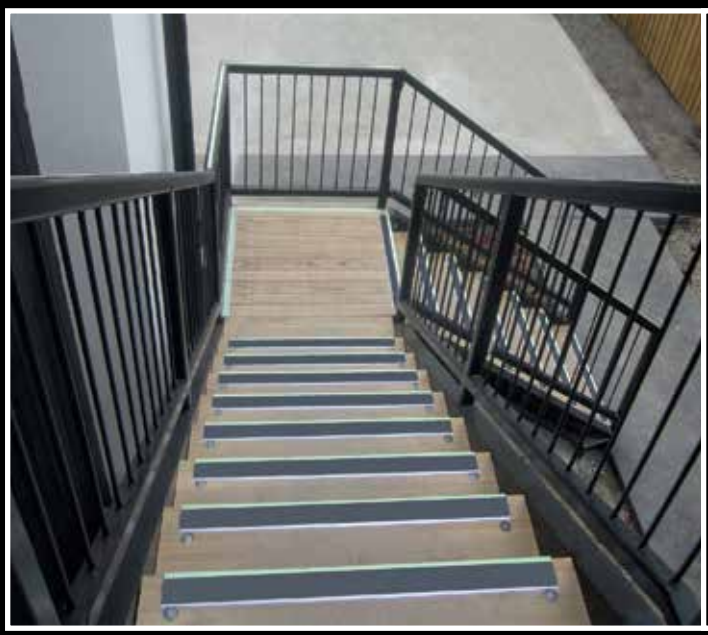
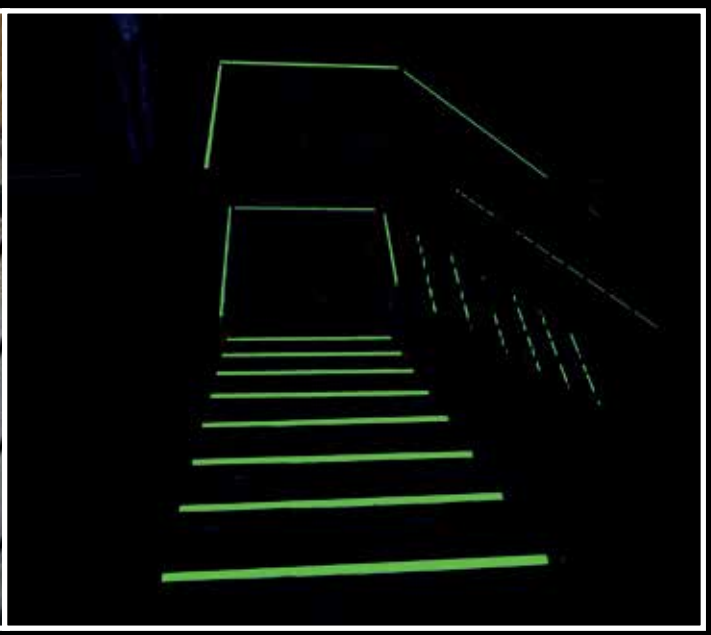
GILTGRIP ECOGLO STAIR NOSINGS

Giltgrip®

SUSTAINED BY ecoglo®





COST EFFECTIVE

SUSTAINABLE

RELIABLE

LOW MAINTENANCE

From

Gilt Edge®

Every Flooring Installation Deserves the **"GILT EDGE"** Finish

GILTGRIP ECOGLO STAIR NOSINGS

The benefits of Giltgrip Ecoglo (photoluminescent) Stair Nosings are clear when compared to other alternatives. Giltgrip Ecoglo Stair Nosings are cost effective, sustainable, durable and failsafe.

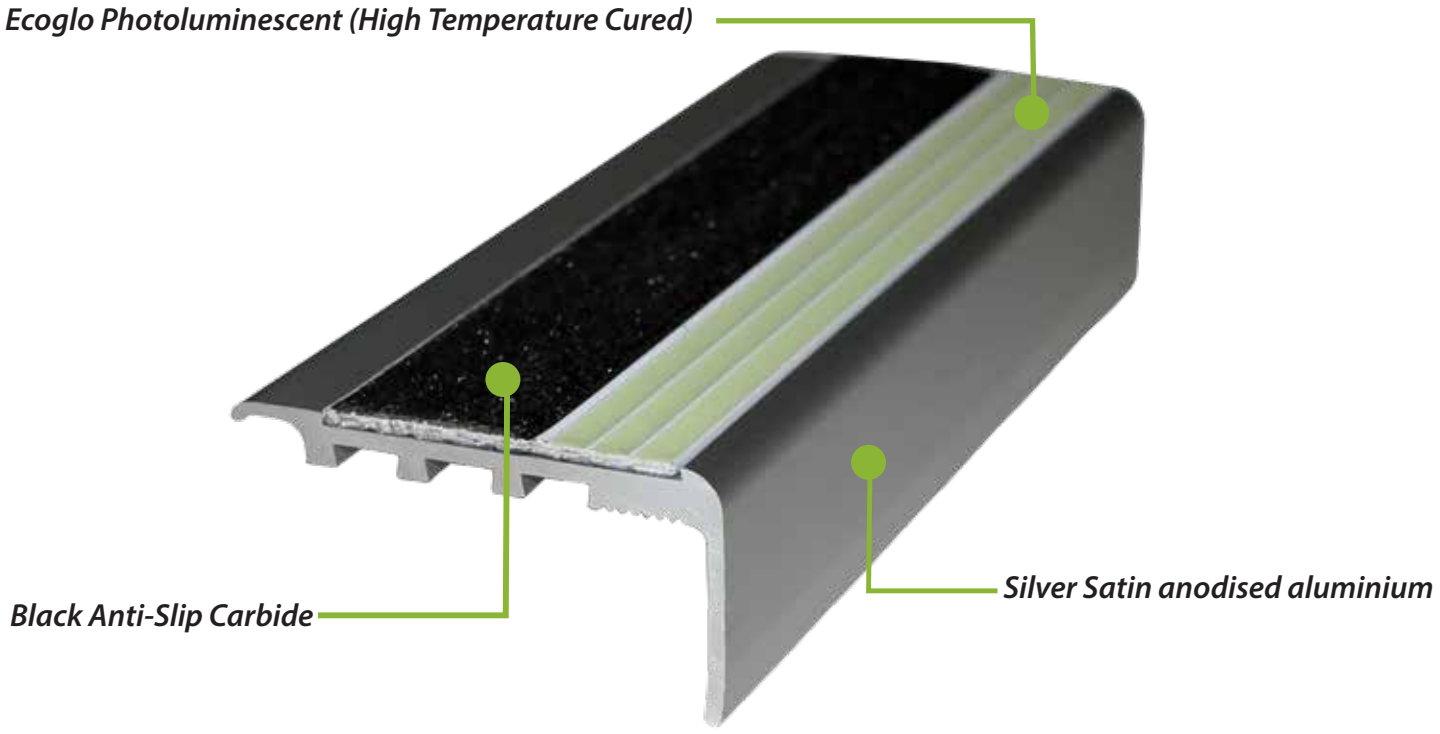
- Utilise ambient light in most cases meaning little or no power usage
- No replacement parts ie no batteries or lamps, so no hazardous waste
- Extremely durable - warranted for 30 years indoors and 15 years outdoors
- Operate instantly each time the power fails

Compliance : NZ Building Code (NZBC) Clause F6

The photoluminescent (PL) Step Edge Contrast of Giltgrip Ecoglo Stair Nosings has sufficient brightness to be used outdoors (24/7 all year round) and meet **NZ Building Code Clause F6**. Internal fit outs also comply with F6 once the site environment is quantified. The PL insert used in the Giltgrip profile will not drop below a luminance level of 5mcd/m2 (or millicandela per square meter) 5mcd/m2 is internationally accepted as a suitable minimum brightness (luminance) for PL strips in escape and access routes.

Compliance: UL1994 and NZBC F6

New Zealand does not have a luminous egress visibility testing standard hence the PL Step Edge Contrast has been tested and passes the International Standard UL1994 "Luminance Egress Path Marking Systems" Not only has Ecoglo Step Edge Contrast material at 5mcd/m2 been tested in accordance with UL1994, but also from a distance of 10m by two independent laboratories. Both laboratories confirmed the material is suitably visible at that brightness, and therefore Ecoglo PL Step Edge Contrast material meets the Clause F6 requirement for emergency visibility at a brightness of 5mcd/m2.



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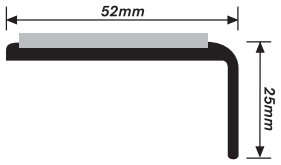
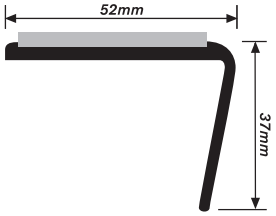
GILTGRIP ECOGLO STAIR NOSING RANGE

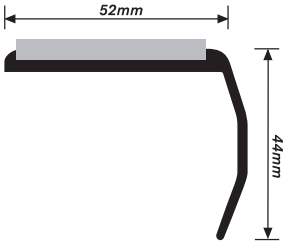
EGSC1



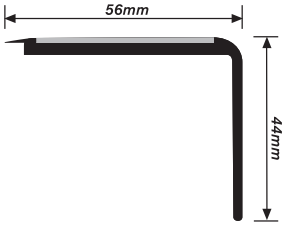
EGSD1



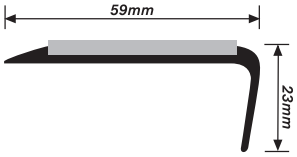
EGLF1



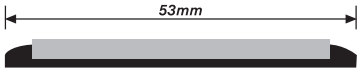
EGLF3



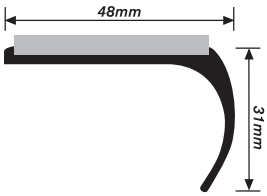
EGRP1



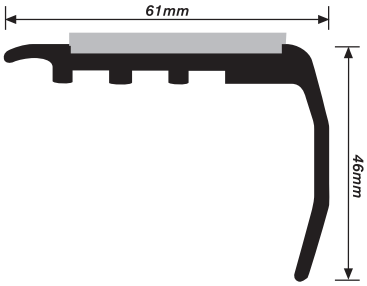
EGRP2



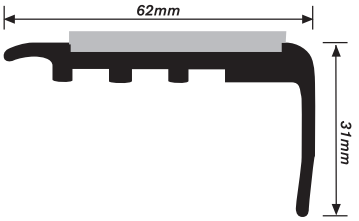
EGSM1



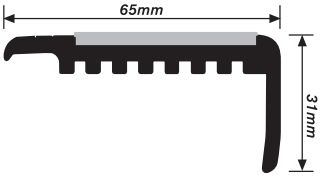
EGCD3



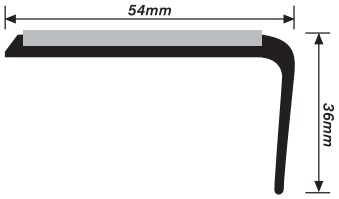
EGCD4



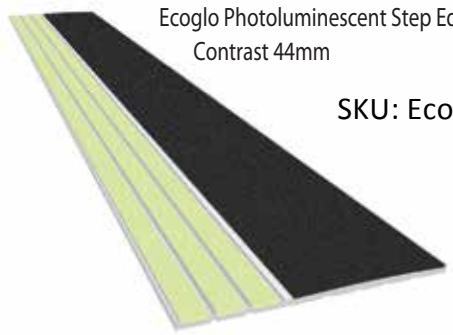
EGPV1



EGPV2



Photoluminescent Step Edge Contrast



Ecoglo Photoluminescent Step Edge Contrast 44mm

SKU: Eco44mm

The Ecoglo PL Step Edge Contrast is designed to ensure visability of steps in escape routes to meet NZBC Clause F6 "Visability in Escape Routes". The Step Edge contrast will be effective in all light conditions including failure of the main lighting.

PERFORMANCE

Independently tested in accordance with UL 1994 for 10 metre visibility to meet NZBC Clause F6.

Risk Group C Building

30 minutes visibility

Minimum charging illuminance of 20 lux continuously during occupancy.

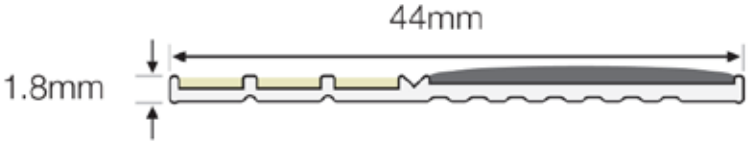
Risk Group B Building

90 minutes visibility

Minimum charging illuminance of 60 lux continuously during occupancy.

Outdoor or daylit 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.



Anti-Slip Properties AS/NZS 4586-2004 Classification: FV
UV Resistance Loss of luminance after 1000 hrs ASTM G-155 Cycle 1 exposure: <10%: Pass
Salt Spray ResistanceASTM 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

COMPOSITION PL

Ecoglo Step Edge Contrast is manufactured from extruded 6060T5 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.

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HTC – HIGH TEMPERATURE CURING

The patented manufacturing process used to make Giltgrip Ecoglos Photoluminescent Step Edge Contract is known as High Temperature Curing or HTC

What is HTC?

HTC involves the precisely controlled application of a powder mix of customised photoluminescent pigments and customised carriers onto an aluminium base.

The polymer mix and aluminium base pass through a bespoke oven to be baked at temperatures above 160C. This high temperature curing process integrally bonds the polymer mix to the aluminium, eliminating the possibility of peeling, shrinkage or delamination. It also provides permanent protection of the photoluminescent pigments from degradation due to moisture or weathering.

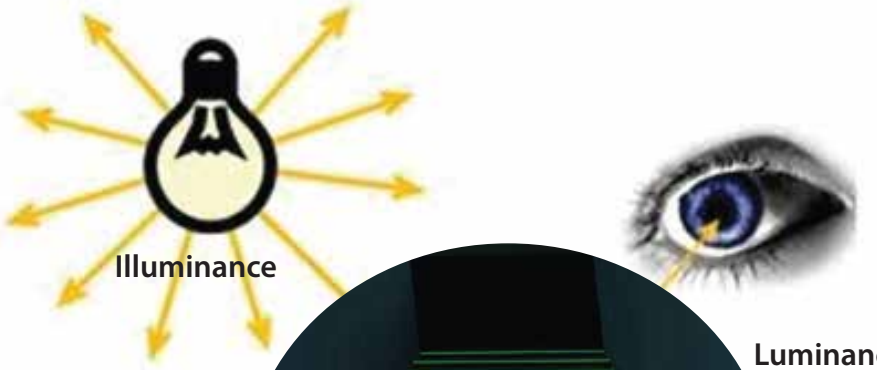
Benefit - HTC products won't suffer from shrinkage, delamination or discolouring and are therefore more durable delivering higher and more reliable luminance and visibility.

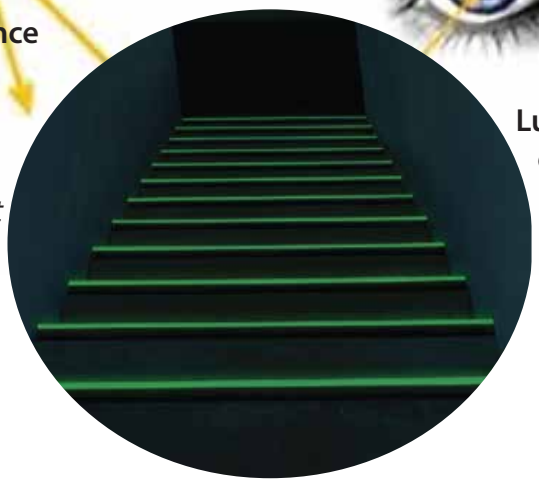
(These performance properties cannot be guaranteed for photoluminescent PVC products, tapes and liquid applied products)

Terminology

Illuminance (lux) is measured as the amount of light stricking a surface

Luminance (mcd/m2 or millicandela per square metre) is what we measure off the surface that has light hitting it





Luminance / brightness - for a step edge to be "Reasonably Visible" the luminance needs to be greater than 5mcd/m2

For buildings with less than 1000 occupants, the Ecoglo Photoluminescent material will meet the visbility requirements of NZBC Clause F6 as long as there is at least 20 lux illumination on the step edges whenever the building is occupied.

Economically Feasible, Environmentally Friendly, Socially Responsible

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Fax 07 847 6924

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Palmerston North
Unit A,
65 Taonui Street
Ph 06 825 6519
Fax 07 847 6924

Wellington
50 Fitzherbert Street
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