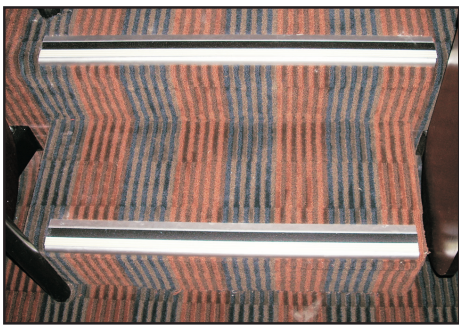


Photoluminescent Products Help Create Energy Efficient Buildings

In line with the move towards creating energy efficient buildings photoluminescent products provide a simple, sustainable alternative to electricity in the provision of lighting. Photoluminescent materials absorb natural or artificial light and reemit that light as a strong glow. Therefore they can either harvest natural sunlight or recycle existing light in a building to make building features visible and safe 24 hours a day.

Photoluminescent materials, originally produced from zinc sulphide, have been around for many years, first being used in remote locations such as oil rig platforms. Newer products produced from rare earth elements have much greater luminance and lasting qualities and therefore have many new applications. In particular photoluminescent products can be used for path marking and signage. Installed on the edge of stairs, on handrails and to mark hazards and pathways photoluminescent systems can guide people safely both in poor light conditions and in blackout emergency conditions. Unlike electricity and back-up generators photoluminescent products are fail safe, perform immediately and require no additional maintenance.



Step nosing can be installed easily onto substrates such as concrete, tile, wood, carpet, vinyl, steel and aluminium

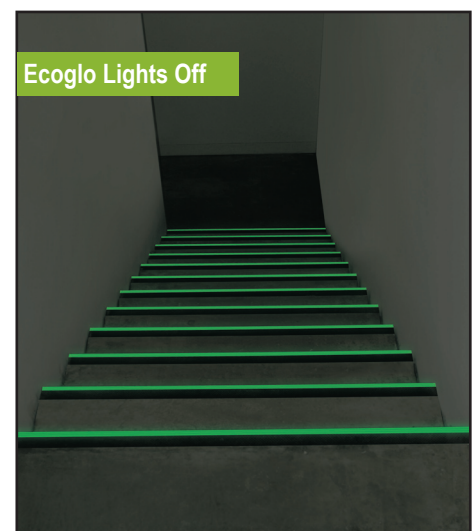
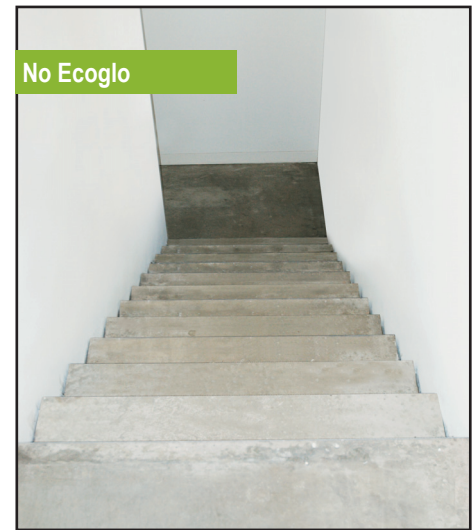


In New Zealand the Building code for emergency lighting Clause F6 'Visibility in Escape Routes' now states that specified features must be made 'reasonably visibly' This is a significant change to the previous wording that stated buildings must be provided with 'adequate lighting' in escape routes. This means photoluminescent material can be used on stair edges and for path and hazard marking to meet the performance requirements of F6. Around the world building codes are being formulated to allow for photoluminescent emergency lighting and to ensure these products meet brightness and visibility tests. Ecoglo products have been tested to meet codes developed by New York City and the International Code Council the ICC.

The vast majority of the commercial sector's environmental impact comes from existing buildings and retrofitting with photoluminescent materials can allow a building to turn off lights previously left on for safe access. Alternatively specifiers can include photoluminescent products in the early stages of design to help create energy efficient buildings. Installation is much easier and less costly than a wired solution and photoluminescent step nosings cost no more than traditional step nosings. The building occupier will also save money in both reduced electricity and maintenance costs.

Many steps are just too hard to see, whether it be day or night, as the edges merge visually into each other creating a ramp effect. Ecoglo combine a photoluminescent strip and a non-slip strip creating contrast on the step edge so that you can clearly see the steps whatever the light conditions. As the contrast is within the product it can be installed onto any surface without concern over the colour of that surface.

Ecoglo can be used effectively both outdoors and indoors as it has maximum resistance to UV rays and weather conditions. The patented process whereby a powder is baked onto aluminium, ensures that the products can be walked on by thousands without deterioration or reduction in luminosity.



Photoluminescent products absorb light then emit light as a bright glow in dark conditions. Ecoglo step nosings incorporate an anti-slip strip which provides great edge contrast in light conditions thereby preventing slips and falls 24 hours a day.