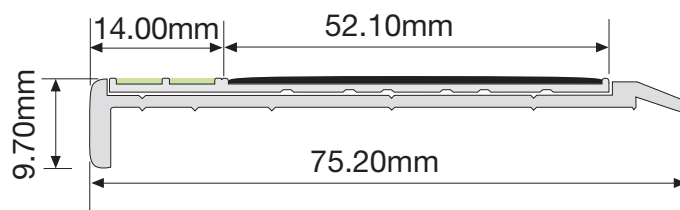
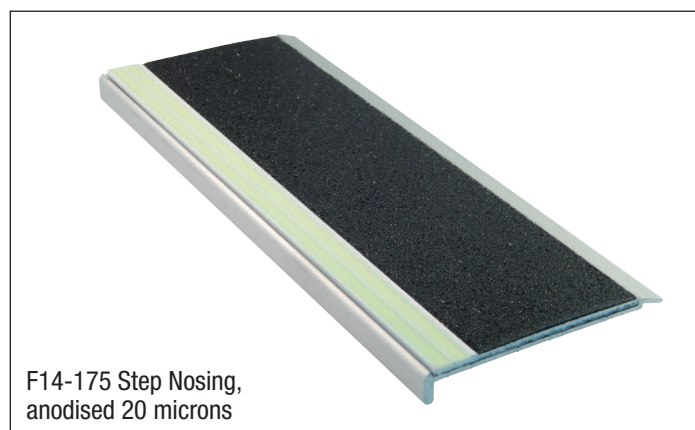


# Product Data Sheet - Step Nosing F14-175

2022 V1



## 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

Step Nosing profile consisting of 6060T5 aluminium extrusion, anodized (natural/silver colour) to 20 microns thickness.

Ecoglo E14-075 Step Edge Contrast is adhesively fixed into the extrusion. The high visibility E14-075 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

The F14-175 Step Nosing is installed with hidden fixers and can be used on a range of substrates including concrete, timber, tiles, vinyl, steel and checker plate. Uni clamp assemblies can be used for installation onto steel mesh steps.

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.

**The F14-175 Step Nosing is designed to ensure visibility of steps in escape routes to meet NZBC Clause F6 "Visibility in Escape Routes". The Step Nosing 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 Nosing is suitable for use indoors and outdoors. The anti-slip material provides all weather protection from slips and falls.

### Outdoors

The F14-175 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, the F14-175 must be in a continuously lit environment to ensure the nosing 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:** -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

PRODUCT CODE	PRODUCT DESCRIPTION	PRODUCT LENGTH
F14-175-800	Step Nosing 75mm x 10mm	800mm
F14-175-900	Step Nosing 75mm x 10mm	900mm
F14-175-1000	Step Nosing 75mm x 10mm	1000mm
F14-175-1100	Step Nosing 75mm x 10mm	1100mm
F14-175-1200	Step Nosing 75mm x 10mm	1200mm
F14-175-1300	Step Nosing 75mm x 10mm	1300mm
F14-175-1400	Step Nosing 75mm x 10mm	1400mm
F14-175-1500	Step Nosing 75mm x 10mm	1500mm

## Contact

### Ecoglo International Limited

77 Kingsley St, Sydenham 8023

PO Box 7698, Sydenham 8240, Christchurch, New Zealand

**Phone:** 03 348 3781 **Fax:** 03 343 6821

**Email:** info@ecoglo.com **Web:** www.ecoglo.co.nz