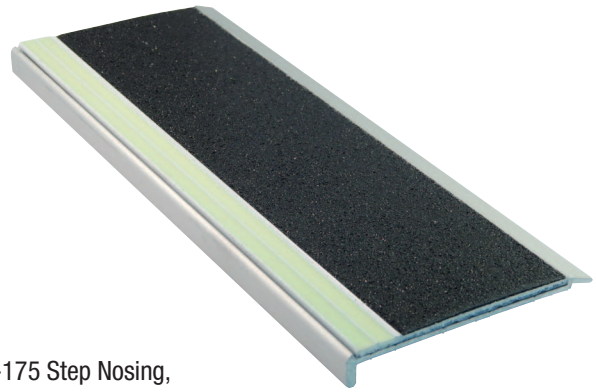
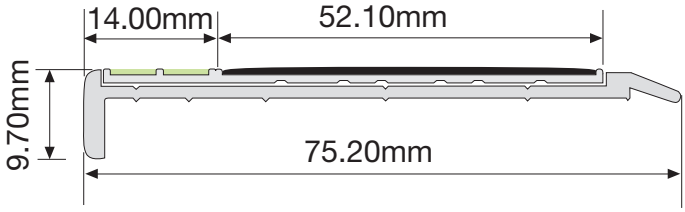
Product Data Sheet - Step Nosing F14-175

2024 V1

ecoglo® VISIBLY BETTER



F14-175 Step Nosing,
anodised 20 microns



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

The F14-175 Step Nosing is designed to ensure visibility of steps in escape routes for compliance with NCC E4P1 Visibility in an Emergency requirements as a Performance Solution. The step nosing 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 BCA Vol. 1 Clause E4P1 Visibility in an Emergency.
The F14-175 Step Nosing 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.*
Compliance with AS1428.1 means the F14-175 Step Nosing complies with NCC D4D4(a)(ii) and (iii), required for ALL stairways in all buildings required to be accessible.
Complies with NCC D3D14(1)(e)(ii) 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 daylit installations will absorb enough natural light to be visible throughout the longest winter night.

The Step Nosing 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 AS 4586-2013 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

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

The Step Nosing profile consists of 6060T5 aluminium extrusion, anodized (silver colour) to 20 microns thickness. The Ecoglo high visibility inserts are adhesively fixed into the extrusion. The high visibility inserts are 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.

HTC HIGH TEMPERATURE CURING

INSTALLATION

The F14-175 Step Nosing 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.

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 Australia
Email: Australia@ecoglo.com **Web**: www.ecoglo.com.au