

SafeMate!

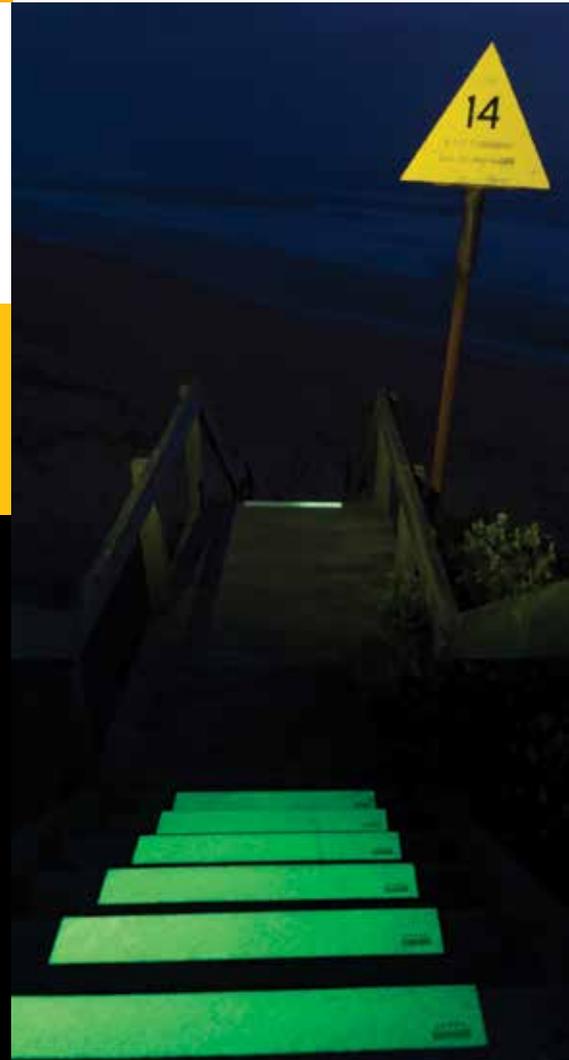
A N T I S L I P

GlowMate: Glow in the Dark Products

SafeMate's GlowMate is used whenever and wherever it is required to create egress paths, walkways, stairs and any environment safe in dark (such as in sudden power outages) with highly visible self-illuminating surfaces.

Glowmate needs no external power sources such as batteries for illumination as they are comprised of photo luminescent glow-in-the-dark pigments with long afterglow. During a power outage or emergency, Glowmate antislip products provide a safe means of egress in dark or low light conditions even when wet or greasy. As SafeMate's GlowMate products can charge even in low light, they are perfect for use in dimly lit areas.

They are also used on emergency appliances, trucks and plant or equipment that are used at night. GlowMate antislip stair treads make it easier for staff to see the steps on the vehicles at night reducing the risk of slips and falls. SafeMate's GlowMate is effective in preventing accidents that can be caused by lack of visibility of hazards in case of sudden power outages and in low light or dark conditions.



Features:

- > Available in standard stair nosing, stair capping sizes and as Safe Plates
- > High visibility, glows in the dark for 8 hours and longer
- > Quick recharge with Sunlight or ambient light
- > Recharges in low light
- > Strong and durable metal backing

All enquiries: sales@safemate.com

www.safemate.com

GLOWMATE: GLOW IN THE DARK PRODUCTS



Benefits of Safemate GlowMate Antislip Products

- Suitable for Steel, Concrete and Timber surfaces. Simple DIY installation.
- Non-slip when oily, wet/dry or dirty
- High Impact Resistant
- Standard sizes or custom made
- **Tested to and exceeds Standard AS/NZS 4586-2004 & ASTM D2047-04**
- Manufactured under ISO 9001-2008 quality controlled conditions
- Only product that works even when the power supply and batteries fail as it needs only ambient light
- Photoluminescent articles are mandated for use in buildings and ships by safety regulating authorities worldwide
- Pleasing and prominent daylight appearance
- 5-year Warranty

What is GlowMate?

GlowMate is a superior quality photo luminescent, antislip product made from our proprietary photoluminescent grit - lumigrut.

Is phosphorescent pigment toxic?

No. Photoluminescent pigments used in GlowMate are not toxic.

How does GlowMate work?

GlowMate works by absorbing surrounding light. The glow is from our patented long afterglow phosphorescent pigment that has been integrated into aluminium oxide to produce lumigrut. The pigment, and therefore the lumigrut, absorbs available light in the surrounding and emits (yellow-green) light in dark, for several hours.

How many times can GlowMate be recharged?

There is no limit on number of times GlowMate can be recharged.

Standard Dimensions

Fixings	(L) A mm	(W) B mm	(R) C mm	(L) A"	(W) B"	(R) C"
External & Internal Application						
5	450	215	25	18	8½	1
6	600	215	25	24	8½	1
7	750	215	25	30	8½	1
5	900	215	25	36	8½	1
5	1200	215	25	48	8½	1

What is the lifetime of GlowMate?

GlowMate comes with a guarantee of 5 years. As long as the surface is kept clean and transparent, the glow lasts as long with no decrease in brightness of emission.

What is the glow colour?

The color of glow is yellow-green – light with a wavelength in the region of 520 nm – which is more perceptible to normal human eye, in dark. Therefore it is very well suited for safety applications which require object identification.

Is GlowMate radioactive?

No. Our phosphorescent pigment is alkaline-earth elements based crystal doped with lanthanide elements. The photoluminescence is due to electronic transitions within the crystal upon exposure to light.

How does GlowMate compare with international standards?

GlowMate is manufactured according to strict ISO 9001 and American Bureau of Shipping (ABS) quality standards. GlowMate can be classified as Class D photoluminescent material under Photoluminescent Safety Products Association (PSPA) classification – D being the highest class.

Standard Base Materials

316 Stainless Steel / 1.2 mm
304 Stainless Steel / 1.2 mm
Galvanised Steel / 1.2 mm

Standard & Optional Grit Grades Materials

Industrial (Std) 20 Medium 36
Fine 60 Extra Fine 80

How To Measure & Specify

GlowMate Glow in the Dark Stair Nosings are measured in three dimensions: Length (A) x Width (B) x Return (C)

Product Name:	GlowMate Glow in the Dark Stair Nosings
Size:	600 mm x 215 mm x 25 mm (24" x 8½" x 1")
Colour:	Safety Yellow
Grade:	Industrial
Backing:	Galvanised Steel
Installed Over:	Grille

Available Colours



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GLOWMATE: GLOW IN THE DARK PRODUCTS



Installation:

Substrate: Open Grille / Grating

Fixing Method:

Universal Grille Clamp Assemblies are used (ZP or SS) (comprises of adjustable clamp, M8 bolt & nyloc nut).

1. Place antislip nosing in required position and mark drill hole position. Drill holes should be centrally located between grating bars. (Pre-drilling can be arranged ex-works with specified drawings)
2. Pre-drill anti-slip stair nosing. Always drill from the underside through to the anti-slip surface
3. Put the bolt through the pre-drilled hole in the anti-slip nosing and through the grille/grating.
4. Place the universal clamp on the underside of the grille/grating and through the bolt. Screw the nyloc nut onto the bolt and hand tighten.
5. Place a socket wrench onto the nyloc nut and at the same time using appropriate drill bit insert the drill bit into the head of the bolt and slowly tighten ensuring the clamp remains positioned, tighten the clamp until it is securely fixed to the underside of the grille/grating.

Substrate: Timber

Fixing Method:

Self tapping wood screws 10-12x30 mm (10-12x1 1/4") wafer head (ZP or SS).

1. Place antislip nosing in required position and mark drill hole position. Safemate recommend holes should be at least 25mm (1") in from each edge of the nosing.
2. Pre-drill anti-slip stair nosing. Always drill from the underside through to the antislip surface (Pre-drilling can be arranged ex-works).
3. Place the antislip nosing over the step taking care to align holes.
4. Using appropriate driver and screw fasten securely to step.

Substrate: Metal

Fixing Method:

Self tapping metal screws 10-24x16 mm (10-24 x 5/8") wafer head (ZP or SS). Rivets may also be used.

1. Place antislip nosing in required position and mark drill hole position. SafeMate recommend holes be at least 25mm (1") in from each edge of the nosing.
2. Pre-drill antislip stair nosing. Always drill from the underside through to the anti-slip surface (Pre-drilling can be arranged ex-works).
3. Re position antislip nosing on the step and with the pre-drilled holes in the exact location you want the nosing mark the metal with a marker.
4. Drill pilot holes into the indicated marked step.
5. Place the anti-slip nosing over the step taking care to align holes.
6. Using appropriate driver and screw fasten securely to step.

Substrate: Concrete/ Masonry / Tiles

Fixing Method:

Concrete: Mush Head hammer spikes 5 x 25 mm, (3/16 x 1") diameter mushroom head

Tiles: Plugs and screws

1. Place antislip nosing in required position and mark drill hole position. Safemate recommend holes should be at least 50mm (2") in from each edge of the nosing.
2. Pre-drill antislip stair nosing. Always drill from the underside through to the antislip surface (Pre-drilling can be arranged ex-works).
3. Re position antislip nosing on the step and with the pre-drilled holes in the exact location you want the nosing mark the concrete with a marker.
4. Use a 5mm masonry drill bit to drill pilot holes into the indicated marked step.
5. Place the antislip nosing over the step taking care to align holes.
6. Insert concrete spike through nosing and using a hammer drive the spike until correctly seated.

Cleaning:

To clean anti-slip stair nosing, use a hot hose, high pressure hose or stiff brush with usual cleaning agents. Use of mops or solvent cleaners not recommended.

STAIR SAFETY



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ALUMINIUM GLOW STAIR TREAD



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