

Anti-slip Solutions for Stairs

SafeMate offers three main types of antislip solutions for stairs. They are Stair Nosings, Stair Cappings, Bull Nose Cappings, and Offshore Nosings – each one designed to suit specific design and environment. They are easily fitted and suitable for use with common substrates such as ferrous and non-ferrous metals, concrete, timber, plastics, and composites. They provide unfailing antislip surface for pedestrians in all conditions.

Slips, trips, and falls from steps and stairs very commonly occur in domestic, commercial, and industrial environments. The frequency of such incidences is more or less same in all the environments. According Safe Work Australia's Key Work Health and Safety Statistics Asutralia 2025 report, there 32,000 serious injury claims. 24.4% (7,808) with falls from heights including stairs and steps.

Managers need to consider the risks to their employees. Grating, checkerplate and wooden stairs can be particularly dangerous if wet or soiled.

SafeMate's antislip solutions ensure safer passage for pedestrians in all conditions, indoor, and outdoor. They are durable, economical; withstand heavy traffic and are longer lasting permanent fixtures to the structure. Non-slip tape and composite (FRP) alternatives are prone to peeling, cracking, and embrittle when subjected to extremes in weather.



Features:

- > Engineered for snug fit to most stairs
- > Fabricated with stainless steel or mild steel backing
- > Smooth transition to front edge
- > Uniform antislip surface throughout the product – flooring, nose, and riser
- > Uniform colour achieved via our state-of-the-art epoxy spray technology
- > Bright safety yellow for easy identification
- > Antislip surface created by embedding hard aluminium oxide grit bonded to metal substrate with our proprietary technique
- > Available in Glowmate version

BULLNOSE CAPPING

OFFSHORE NOSING

STAIR CAPPING

STAIR NOSING



SAFEMATE: ANTISLIP SOLUTIONS FOR STAIRS



Benefits of SafeMate Antislip Solutions for Stairs

- Enhanced slip, trip, stumble, and fall prevention
- Reduced incidences of slips, trips and falls
- Ensures antislip surface for pedestrians
- Protects front edge (nose) of the steps from wear, tear, breakage, and further polishing/smoothing
- Available in custom length and sizes
- Available in other colours of choice and also metals
- Chemically resistant
- Strongly bonded antislip surface
- Profiles to fit all types of stairs such as vertical riser, curved nosing, bevelled nosing and angled riser
- Highest antislip rating – R13 and P5 – as tested by NATA approved, accredited testing facility as per Australian and International standards
- Easy to install
- Remains anti-slip in wet, oily, greasy, dry and dirty conditions
- Impact resistant metal backing capable of withstanding heavy traffic indoors and outdoors
- **Tested to and exceeds the requirements of AS/NZS 4586-2013 & ASTM 02047-04**
- **Manufactured under strict ISO9001-2015**
- 10 year manufacturer warranty

BULLNOSE CAPPINGS: Standard Dimensions

	(L) A mm	(W) B mm	(R) C mm	(L) A "	(W) B "	(R) C "
Fixings	External & Internal Application					
2	450	40	10	18	1½	¾
2	600	40	10	24	1½	¾
3	750	40	10	30	1½	¾
3	900	40	10	36	1½	¾
3	1200	40	10	48	1½	¾

STAIR CAPPINGS: Standard Dimensions

	(L) A mm	(W) B mm	(R) C mm	(L) A "	(W) B "	(R) C "
Fixings	External & Internal Application					
4	450	90	10	18	3½	¾
4	600	90	10	24	3½	¾
5	750	90	10	30	3½	¾
5	900	90	10	36	3½	¾
5	1200	90	10	48	3½	¾

OFFSHORE NOSINGS: Standard Dimensions

	(L) A mm	(W) B mm	(R) C mm	(L) A "	(W) B "	(R) C "
Fixings	External & Internal Application					
4	450	140	10	18	5½	¾
4	600	140	10	24	5½	¾
5	750	140	10	30	5½	¾
5	900	140	10	36	5½	¾
5	1200	140	10	48	5½	¾

STAIR CAPPING FOR INDUSTRIAL SAFETY



STAIR NOSINGS: Standard Dimensions

	(L) A mm	(W) B mm	(R) C mm	(L) A "	(W) B "	(R) C "
Fixings	External & Internal Application					
4	450	215	25	18	8½	1
4	600	215	25	24	8½	1
5	750	215	25	30	8½	1
5	900	215	25	36	8½	1
5	1200	215	25	48	8½	1

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anti-slip SOLUTIONS FOR STAIRS: INSTALLATION INSTRUCTIONS



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 anti-slip 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 anti-slip 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 anti-slip surface (Pre-drilling can be arranged ex-works).
3. Place the anti-slip 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 anti-slip 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 anti-slip stair nosing. Always drill from the underside through to the anti-slip surface (Pre-drilling can be arranged ex-works)
3. Re position anti-slip 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 anti-slip 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 anti-slip stair nosing. Always drill from the underside through to the anti-slip surface (Pre-drilling can be arranged ex-works).
3. Re position anti-slip 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 anti-slip 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.

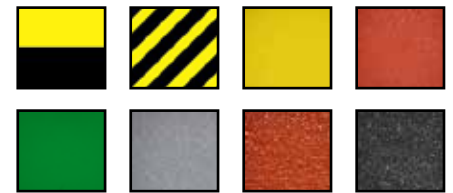
Standard Base Materials

316 Stainless Steel
304 Stainless Steel
Galvanised Steel

Standard & Optional Grit Grades Materials

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

Available Colours



How To Measure & Specify

Measured in three dimensions:
Length (A) x Width (B) x Return (C)

Cleaning:

To clean anti-slip Cappings & Nosings, use warm water and a stiff brush with usual cleaning agents and rinse. Use of mops or solvent cleaners not recommended.

STAIR CAPPING



BULLNOSE CAPPING



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