

SAFE-SERIES™
INDUSTRIAL ANTI-SLIP SOLUTIONS

StairSAFE™

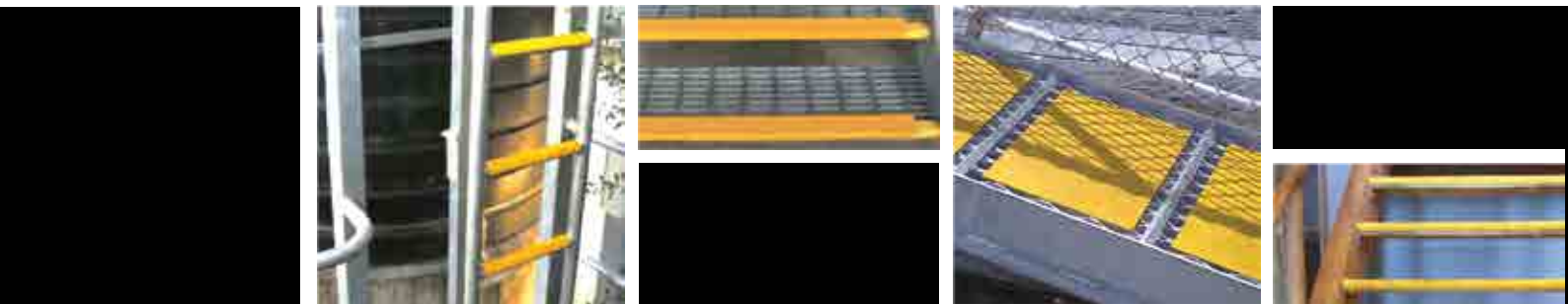
RungSAFE™

DeckSAFE™

StickSAFE™

Anti-Slip Product Guide

Global leaders in the design and supply
of Underfoot Industrial Anti-Slip Product Solutions



We are delighted to bring to you the latest collection of Treadwell Industrial Anti-Slip Products.

As you will notice, we are pleased to introduce many new products to the SAFE-SERIES™ range, including a brand new range of Treadwell Anti-Slip products. We have also expanded our product choice in the Nosing & Rung Cover ranges.

With warehouses and distribution centres throughout Australia, Treadwell Group and the brand names StairSAFE™, RungSAFE™ and DeckSAFE™ are the names you can rely on.

A BRIEF HISTORY

Treadwell Group is one of the most established names in the supply of Industrial Anti-Slip Solutions throughout Australia.

Our centrally located Adelaide fabrication facility, coupled with our second to none distribution network across Australia and our commitment to quality and testing, allows our technical staff to provide engineering and design assistance for any project.

With a broad history of installation in a wide range of challenging applications, including industrial process plants, mining applications, marine and costal environments as well as public infrastructure, Treadwell has the experience to help you specify the right resin systems and products every time.

If you have any unique design problems or would like to know more about incorporating our products in your design, chances are we've encountered something similar before. Get in contact today - Freecall 1800 246 800.

Treadwell Group Pty Ltd

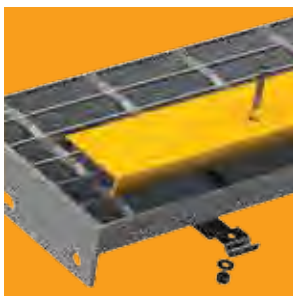
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Quality Policy

Quality is at the forefront of Treadwell working practices. With over 15 years of manufacturing to the highest quality standards, Treadwell Group prides itself on its reputation for implementing strict quality control measures, and strives to supply products that surpass customers' expectations. The company works on a policy of 'continuous improvement'.

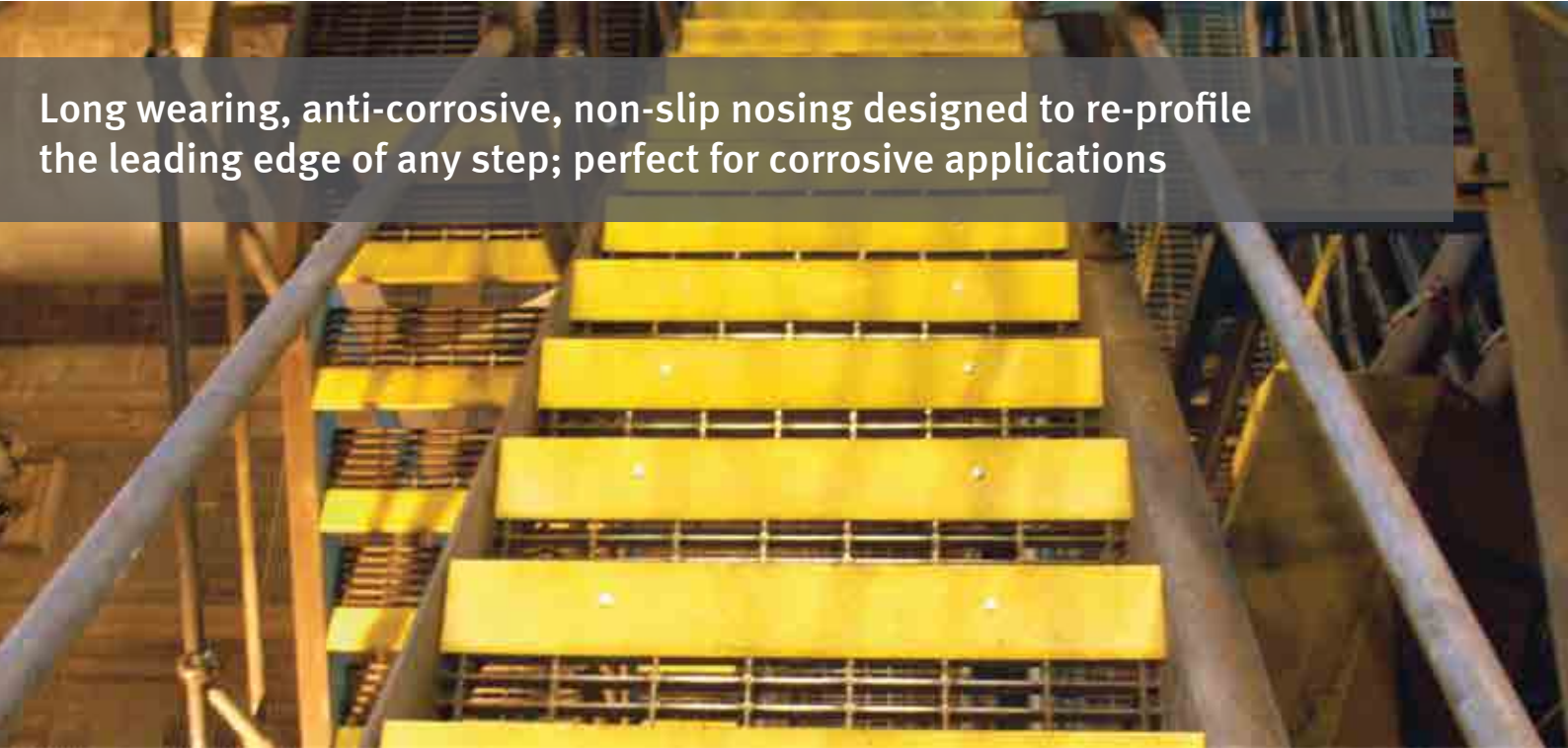


Environmental Policy

Treadwell Group is conscious of the impact it has on the environment and its associated responsibilities. The company is committed to ensuring its operations satisfy both legal obligations and moral duties. Treadwell Group has been committed to sustainability for many years and is not just responding to current trends.

Anti-Slip Stair Nosing

Long wearing, anti-corrosive, non-slip nosing designed to re-profile the leading edge of any step; perfect for corrosive applications



FEATURES

- Robust fibreglass FRP construction designed to withstand the harshest of conditions.
- Impregnated heavy duty grit surface provides a guarantee against delamination - a common problem with insecure metal backed alternatives.
- Remarkable resistance to chemicals makes StairSAFE™ ideal for corrosive environments.
- Impregnated fire retardant additives ensure excellent fire and heat resistance - product conforms to ASTM E84.
- With a product that lasts up to five* times as long as metallic alternatives, StairSAFE™ FRP nosing not only saves you in initial product cost but also in reduced installation time and cost.

* statistics based on in-situ tests carried out on StairSAFE™ FRP nosing products in an ammonia production facility - Australia

PRODUCT RATING

Grip	●	●	●	●	●
Safety	●	●	●	●	●
Chemical Resistance	●	●	●	●	●

SPECIFICATIONS

Length	StairSAFE™ is available in any length up to 3250mm.
Colour	Standard colour, Safety Yellow, greatly enhances visibility - other colours are also available on request.
Applications	Shipping, Marine, Refining Chemical Industries, plus many more.
Depth	Standard depth: 50mm, 75mm and 100mm. StairSAFE™ is also available in any depth up to 300mm.

TYPES



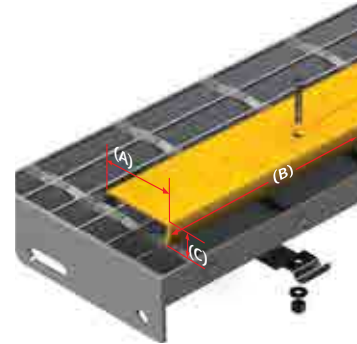
Anti-Slip Stair Nosing



Unique profiling, designed to enhance anti-slip, aesthetics and awareness.

EASY STEP BY STEP PRODUCT ORDERING

Step 1.	Select the required width product		CODE	DESCRIPTION
		Part 1.	906-SSN	StairSAFE™ Narrow FRP Nosing (A=50mm)
			906-SSR	StairSAFE™ Regular FRP Nosing (A=75mm)
			906-SSW	StairSAFE™ Wide FRP Nosing (A=100mm)
			906-SSC	StairSAFE™ Custom FRP Nosing (A=up to 300mm)
<i>Note: Part 1 and Part 2 of the code are separated by a dash (-)</i>				
Step 2.	Select your surface colour	Part 2.	Y W C	Yellow (standard) White Custom
Step 3.	Nominate your anti-slip grade	Part 3.	I M C	Industrial Grade (standard) Marine Grade Commercial Grade
Step 4.	Nominate the required length (B) in mm – available up to 3250mm in the description. If 906-SSC has been selected as the product please ensure (A) is also specified, within the description.			
Step 5.	Nominate any fixing points required, i.e. drilled holes. Specify desired location for ease of installation. Remember to order your correct fixing, or CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au for technical advice from our sales team.			
Step 6.	Remember to order your correct fixing, CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au for technical advice from our sales team.			
Step 7.	Specify your required quantity. Remember if you have an unusual or unique application, our nationwide area representatives are happy to visit your site, just CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au .			



Example: 906-GGK -YI GhUjfsAFETM K [XY]: FD'Bcg]b[, Industrial Grade, Safety, Yellow' +\$\$a a 'l '%\$\$a a "

Note: All nosing to be drilled to suit 906-SSCS (StairSAFE™ Stainless Steel Clip Set), 100mm in from either end.

Stair SAFE™



Stair SAFE conforms to AS/NZS 4586



Stair SAFE conforms to BS 7976-2202 +A1:2013



Stair SAFE conforms to BS 8300:2009 +A1:2010



EASY INSTALLATION

Heavy duty industrial fixings for all applications. Surface for rungs normally applied by using a polyurethane adhesive glue system.

SAFETY

Heavy duty grit layer provides an ideal anti-slip surface; likewise safety yellow offers enhanced visibility.



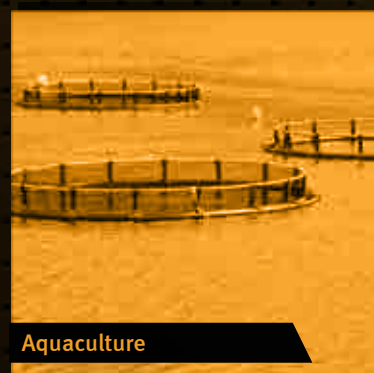
Oil and Gas



Water and Waste Water



Mining and Minerals



Aquaculture

OPTIONAL DEPTH AND LENGTH

Available in four standard depths, 50mm, 75mm, 100mm and 300mm. Custom depths are also available up to 300mm. Available in any length up to 3,250mm.



CHEMICAL RESISTANT

Designed to handle most chemicals. Refer to specification sheets S10018, S10019 and S10020. Please refer to our Chemical Resistance Guide, **CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au** for further details.

ZERO TRIP RISK

Smooth bullnose, sloped on an 85° inclined plane ensures no trip risk is posed.

ROBUST CONSTRUCTION

Specially formulated resin systems and metallic available on request.



Maritime & Shipping



Chemicals and Petro Chemicals



Pulp and Paper



Food and Beverage

Anti-Slip Rung Covers & Cappings



The only anti-slip rung surface offering unassailable footing every step of the way

FEATURES

- Abrasive grit surface eliminates the possibility of slips from access ladders - a possibility that is present only too often, and which can have serious ramifications.
- Surface, whilst ideal for the negation of slip issues, has been developed so as not to damage bare hands. Perfect for every application.
- Chemicals, severe weather and corrosive mixtures will not adversely affect RungSAFE™ performance or longevity.
- Accurate pre-drilling of fixing holes is available with all RungSAFE™ Rung Covers and Cappings making installation even easier for you.

TYPES

906-LSCO **RungSAFE™**
FRP Rung Covers



906-LSCA **RungSAFE™**
FRP Rung Cappings



SPECIFICATIONS

Substrate	RungSAFE™ Rung Covers are available in both FRP and metallic substrates, Galvanised Stainless Steel or Aluminium.
Colour	Standard Safety Yellow colour ensures excellent visual highlighting. Enquire about custom colours which are also available.
Length	RungSAFE™ is available in lengths up to 500mm long in metallic substrate or 3000mm long in FRP substrate.
Applications	Wine Production, Shipping, Truck Body Building, Water Treatment Marine, Chemical, plus many more.

PRODUCT RATING

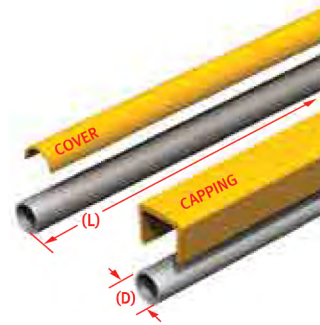
Grip	● ● ● ● ●
Safety	● ● ● ● ●
Wear	● ● ● ● ●

Anti-Slip Rung Covers & Cappings



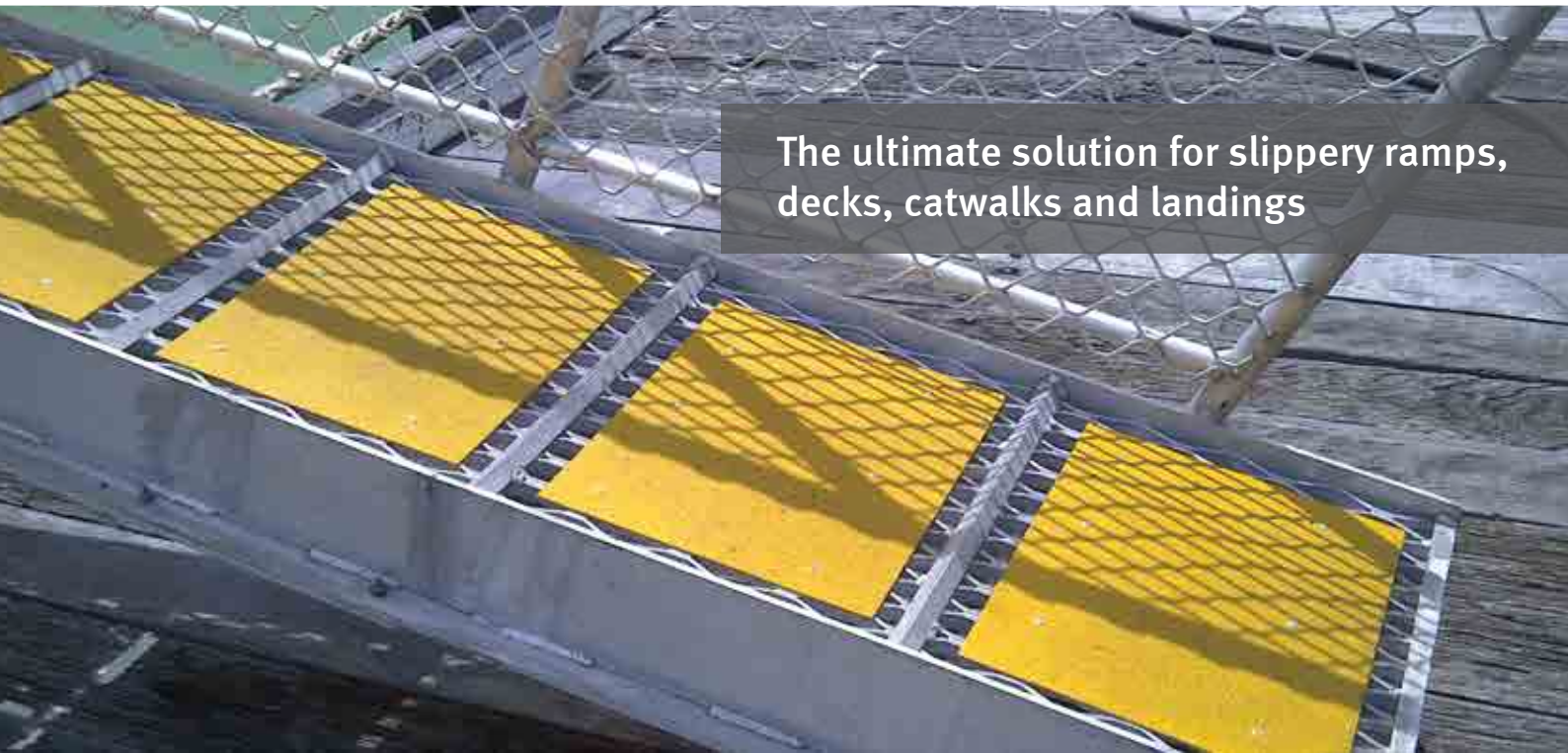
EASY STEP BY STEP PRODUCT ORDERING

Step 1.	Select the required product		CODE	DESCRIPTION
		Part 1.	906-LSCO 906-LSCA	RungSAFE™ Cover RungSAFE™ Capping
Step 2.	Select the required substrate	Part 2.	F A S G	Fibreglass Aluminium Stainless Steel Galvanised
<i>Note: Part 2 and Part 3 of this code are separated by a dash (-)</i>				
Step 3.	Select your surface colour	Part 3.	Y C	Yellow Custom
Step 4.	Nominate your anti-slip grade	Part 4.	I M C	Industrial Grade (standard) Marine Grade Commercial Grade
Step 5.	Please nominate your required dimensions (L x D).			
	DIAMETRE	SUBSTRATE		
	20.0mm	Fibreglass, Stainless Steel, Galvanised, Aluminium		
	25.0mm	Stainless Steel, Galvanised, Aluminium		
	42.5mm	Stainless Steel, Galvanised, Aluminium		
Step 6.	Nominate any fixing points required, e.g. drilled holes. Specify desired location for ease of installation. Remember to order your correct fixing, or CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au for technical advice from our sales team.			
Step 7.	Remember to order your correct fixing, CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au for technical advice from our sales team.			
Step 8.	Specify your required quantity. Please remember that if you have a unique application, our nationwide area representatives are happy to visit your site, just CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au .			



Example: 906-LSCOF-YI RungSAFE™ Rung Covers, Fibreglass, Industrial Grade, Safety, Yellow, Industrial Grade, 450mm (L) x 25mm (D)

Anti-Slip Deck Plating



The ultimate solution for slippery ramps, decks, catwalks and landings

FEATURES

- DeckSAFE™ is designed to reduce the risk of slips, trips and falls in areas where the presence of oil and water liquids have seriously enhanced the risk.
- Optional (Marine) heavy duty abrasive grit eliminates tripping hazards in oily and wet conditions.
- DeckSAFE™ can markedly enhance the safety rating of almost any application where employed.
- The enhancement of employee awareness can be taken one step further with integrated signage, meaning any symbol, letter or word can be added at your request.
- DeckSAFE™ provides total peace of mind, not only for stakeholders and management personnel, but also employees, and ensures that workers know employers care.

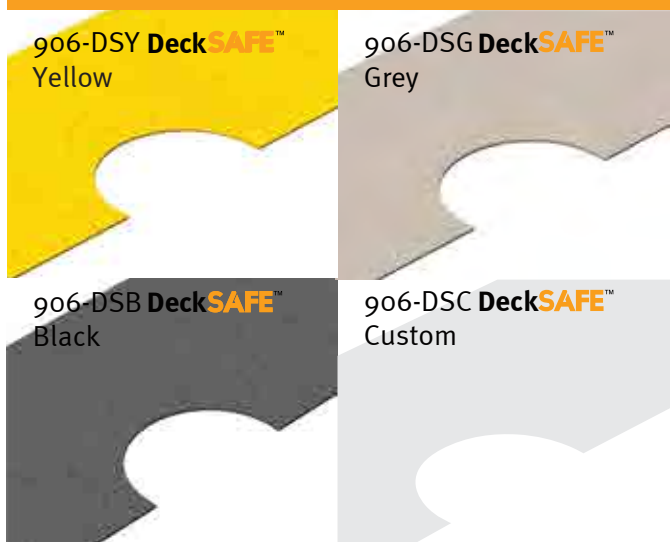
PRODUCT RATING

Grip	●	●	●	●	●
Safety	●	●	●	●	●
Chemical Resistance	●	●	●	●	●

SPECIFICATIONS

Colour	Standard colours available - Safety Yellow, Grey and Black. Custom colours are also available.
Thickness	Approximately 4mm in thickness.
Grit	Available in Commercial, Industrial and Marine grade grit systems.
Applications	Mining, Chemical Industries, Refining, plus many more.

COLOURS

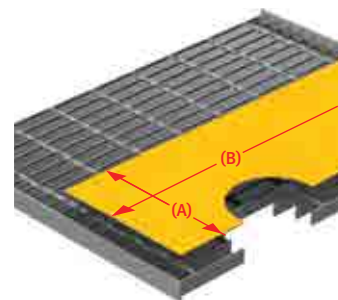


Anti-Slip Deck Plating



EASY STEP BY STEP PRODUCT ORDERING

Step 1.	Select the required colour product	Part 1.	CODE	DESCRIPTION
			906-DSY	DeckSAFE™ Yellow Plating
			906-DSB	DeckSAFE™ Black Plating
			906-DSG	DeckSAFE™ Grey Plating
			906-DSC	DeckSAFE™ Custom Plating
<i>Note: Part 1 and Part 2 of the code are separated by a dash (-).</i>				
Step 2.	Select the required substrate	Part 2.		
			F	Fibreglass
			A	Aluminium
			S	Stainless Steel
			G	Galvanised
Step 3.	Nominate your anti-slip grade	Part 3.		
			I	Industrial Grade (standard)
			M	Marine Grade
			C	Commercial Grade
Step 4.	Nominate required dimensions, (A x B) keeping in mind standard panels are available in 3000mm x 1000mm panels - sizes required larger than this will be supplied in several pieces. Should shapes be required, please provide Treadwell with a sketch, or feel free to contact us CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au .			
Step 5.	Nominate any fixing points required, e.g. drilled holes. Specify desired location for ease of installation.			
Step 6.	Remember to order your correct fixing, CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au for technical advice from our sales team.			
Step 7.	Specify your required quantity. Remember if you have an unusual or unique application, our nationwide area representatives are happy to visit your site, just CALL 1800 246 800 OR EMAIL solutions@treadwellgroup.com.au .			



Example: 906-DSG-FI DeckSAFE™ FRP Plating, Industrial Grade, Grey, 6250mm x 915mm (supply in 2 panels)

Installation Methods

What you will require to carry our installation:

MECHANICAL FASTENERS

- Appropriate PPE - Safety glasses, gloves, dust mask and hearing protection are suggested
- Broom and dust pan or vacuum cleaner
- Tape Measure or Ruler
- Marking utensil (Scriber or Pin Point Permanent Marker)
- Shop Cloth
- Variable Speed Drill with the appropriate sized Tungsten Carbide drill bits, which are recommended for FRP (Fiberglass) substrate products.
- All fasteners (Screws) should feature low profile heads, such as Pan Heads supplied by Treadwell

ADHESIVE

- Appropriate PPE - Safety Glasses, gloves, and dust mask are suggested
- Broom and dust pan or vacuum cleaner
- Tape Measure or Ruler
- Light grade sandpaper (or similar)
- Denatured alcohol or acetone
- Standard caulking gun used to apply adhesive
- Paint Scraper
- Depending on the condition of the substrate (surface) a power washer, primer and grinder may be necessary

SURFACE PREPARATION

Prior to installing your SAFE-SERIES™ Anti-Slip products, surface preparation is necessary. The extent depends on the condition of the surface (substrate) you are covering, as well as the installation process you intend to use.



MECHANICAL FASTENING

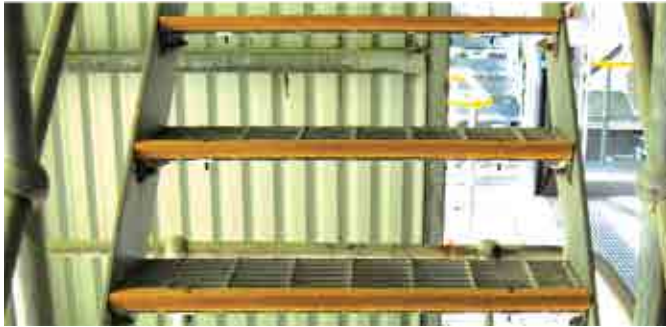
In most cases, simply sweeping the surface and removing loose debris is sufficient. Here are some exceptions:

- **Raised/Uneven Surfaces**
Depending on the severity (more than 4mm, levelling compound may be needed. Uneven surfaces can make fastening difficult (adhesive impossible) and can cause damage to the product over time.
- **Chipped Concrete**
(particularly on leading edge of steps)
– old and damaged concrete that is chipping away requires levelling compound. SAFE-SERIES™ Anti-Slip products are not load-bearing and must be fully supported. Gaps under the cover or unsupported areas will result in damage to the (FRP) fiberglass cover.
- **Steel**
– remove existing screw heads.

APPLYING LADDER RUNG COVERS OVER CARBON STEEL

The following procedure should be carried out when LadderEX™ is installed:

Step 1	Thoroughly clean steel rungs to remove any dirt, oil, grease, etc.
Step 2	Abrade to remove any rust.
Step 3	Apply a metal primer followed by high quality industrial coating which does not contain silicone or Teflon.
Step 4	When the topcoat is dry or cured, scuff lightly with sandpaper to remove gloss.
Step 5	Adhesive such as SAFE-SERIES™ Polyurethane can now be applied.




Treadwell offers a range of ancillary product systems to complement the SAFE-Series™ range.

These adhesive sealent polyurethane product sealer kits are for ensuring that the integrity of grating that is trimmed is maintained and not impacted upon by the set-up of osmosis within the fibreglass part.

Contact Treadwell for more details and any unique application requirements, or should you require fabrication worksheets – free call 1800 246 800.

SAFE-SERIES™ Polyurethane Adhesive Sealant	
	SAFE-SERIES™ Polyurethane Adhesive Sealant, 400g
	Code 906-AS UOM Cartridge (+ nozzle)
	This is a hybrid moisture curing adhesive and sealant with high green strength for use in a wide variety of critical adhesive and sealing applications. It cures to form a tough, water resistant seal and will adhere to a wide range of substrates. Its versatility means it can replace most water based and solvent based construction adhesives, polyurethane adhesive and sealants as well as silicones in non-glazing applications.

SAFE-SERIES™ FRP Sealer Kit	
	SAFE-SERIES™ Polyester Sealer Kit 500 g
	Code EXSK500l UOM Pail (+ Catalyst)
	EX-Series® Vinyl Ester Sealer Kit, 500 g
Code EXSK500V UOM Pail (+ Catalyst)	
Ideal for sealing exposed fibres after any field cutting. These kits, which includes resin (standard 500 g) and catalyst (standard 15 ml), are available in polyester and vinyl ester.	

SAFE-SERIES™ Economy Clipset	
	Code 906-ECSG 25PK Material Galvanized Steel UOM 25 Pack of Clipsets
	Code 906-ECSS 25PK Material Stainless Steel UOM 25 Pack of Clipsets

SAFE-SERIES™ Premium Clipset	
	Code 906-PCSG 25PK Material Galvanized Steel UOM 25 Pack of Clipsets
	Code 906-PCSS 25PK Material Stainless Steel UOM 25 Pack of Clipsets

Our commitment to testing

Slip resistance and resistance to delamination are paramount with underfoot anti-slip products.

With this in mind, Treadwell has subjected SAFE SERIES™ systems to stringent internationally accepted tests which have been carried out by NATA approved testing laboratories in Australia.

This test data allows plant operators and engineering personnel to review how the performance of our systems exceeds the high standards accepted.



Stair SAFE conforms to AS/NZS 4586

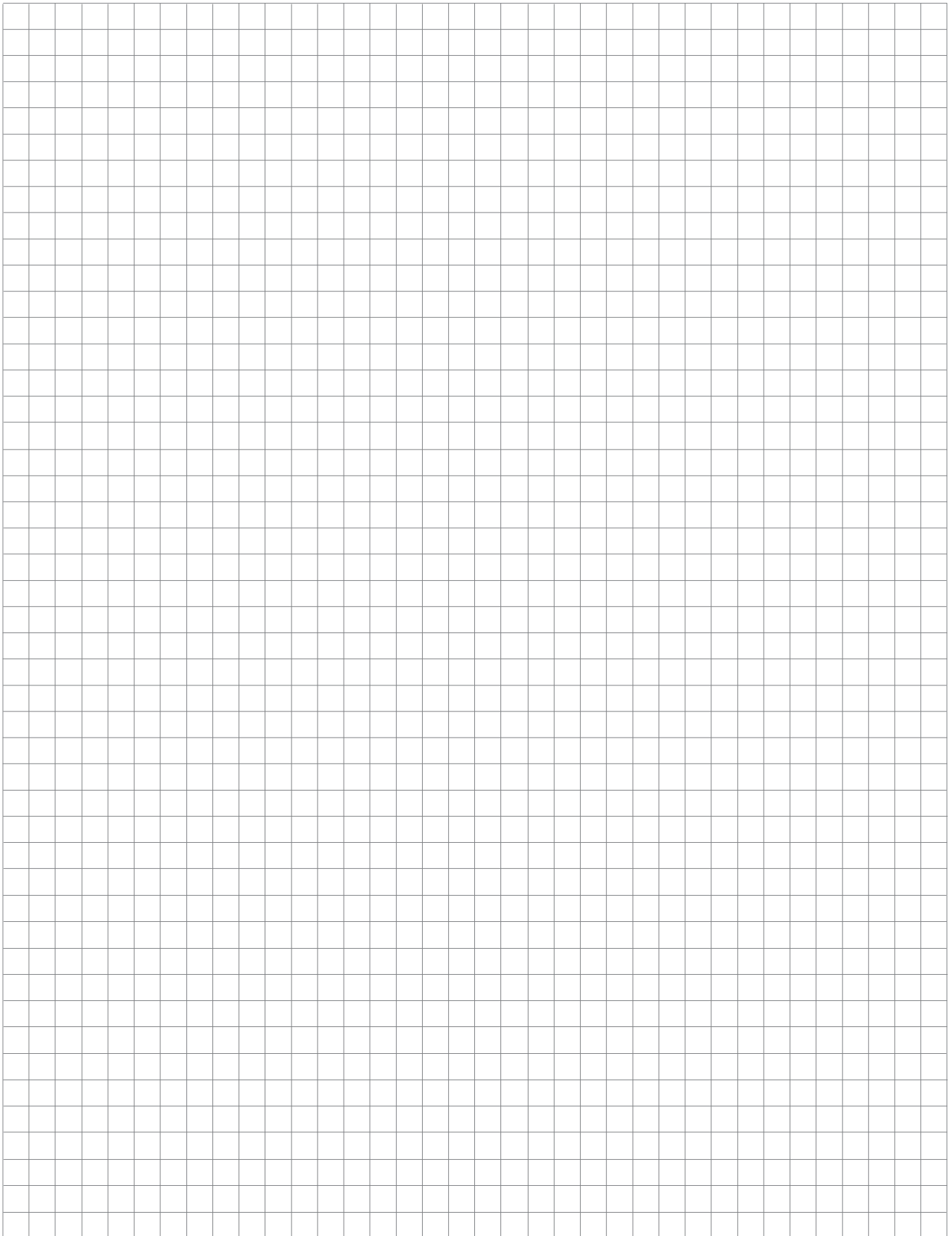


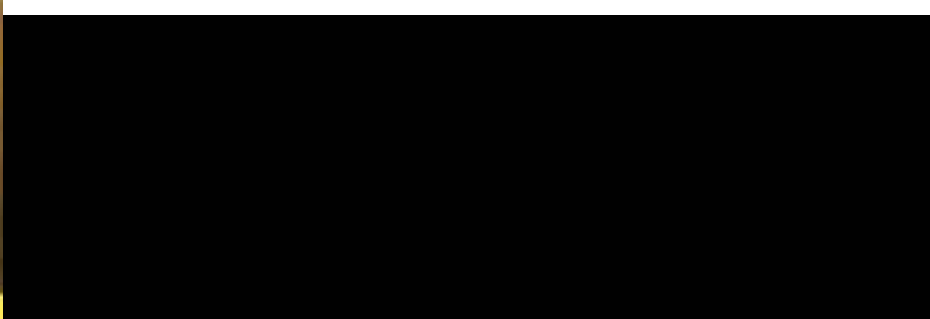
Stair SAFE conforms to BS 7976-2202 +A1:2013



Stair SAFE conforms to BS 8300:2009 +A1:2010









TREADWELL™

SAFE-SERIES™ is a registered brand of Treadwell Group Pty Ltd. All pictures and information are supplied as a guide only. The complete range of Treadwell SAFE-SERIES™ Systems are developed, refined, and manufactured to meet and exceed stringent specifications for the worldwide market.

Important Note: Sales of products are subject to our Terms and Conditions which are available upon request. All specifications and photos are a guide only and are subject to change without notice. Please call to confirm details. Treadwell SAFE-SERIES™ Systems only comply with relevant standards mentioned within this publication when installed and used as they are designed to be.

