

Product Installation Instructions

Installation Instructions For

Step Nosing F Series Concrete and Timber

Step Nosing F Series Two-Part - Concrete and Timber

Anti-Slip Strip E & N Series Concrete and Timber

Handrail MS26 Wall Mounted Handrails

Handrail H Series Wall Mounted & Freestanding Handrails

Signs Flat Mounted Signs

Sign Brackets Wall & Ceiling Mounted Signs

Signs Suspension Mounted Signs

Cleaning Ecoglo Cleaning Instructions

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Installation Instructions For

Step Nosing F Series

Concrete and Timber

Step Nosing - F Series Concrete and Timber

1. Preparation of Surface

- Brush the surface clean of dust and debris. If necessary, clean with an industrial cleaner.
- Remove any paint or sealant and then allow the surface to dry.
- It is better for adhesion if timber surfaces are dry.



Steps with exposed sides:

Ensure the nosing is set back from exposed side by at least 20mm to ensure the outer edge of the nosing does not present a sharp hazard.

2. Alignment (for installation onto more than one step)

- Place one piece of step nosing on the top step and one on the bottom step.
- Run a string line from the left edge of the top nosing to the left edge of the bottom nosing.
- This will give you a straight, true line.



Built-in steps, Installed outdoors:

Leave a 3mm gap between the nosing and the built-in sides, to allow for thermal expansion, and water drainage.

NOTE: The maximum recommended length for installation in outdoor situations is 1.5 metres (5 foot). A 3mm expansion / drainage gap should be left between lengths.

3. Locating Holes for Fixers (for Timber skip to step 5)

- Place the nosing firmly against the riser of the step.
- Line it up with your string line.
- Mark the location of the drill holes with the drill.
- Remove the nosing.



4. Drilling holes for fixers (for Timber skip to step 5)

- Using a 6mm (1/4 inch) masonry bit, and the concrete drill, drill the hole that will house the plastic anchor.
- Wipe away any dust or debris.
- Place the plastic anchor fully in to the holes.



Step Nosing - F Series

Concrete and Timber

v14.1

5. Applying Adhesive

- Lay a 3mm (1/8 inch) bead in a wave pattern over the full length of the underside of the nosing.
- Keep the adhesive clear of the outside edge and the drill holes.



Adhesive Usage:
22 metres per 600ml sausage

Adhesive Brand:
Asia: Bostik Seal n Flex FC (fast cure)
Australia: Bostik Seal n Flex FC (fast cure)
NZ: Bostik Seal n Flex FC (fast cure)
US: Bostik 1100 FS
UK: Simson ISR 70-03 (by Bostik)

Ecoglo supply screw fixers with all orders and can also supply Bostik Seal n Flex FC in 600ml Sausage form with Applicator Gun.

6. Fixing the Nosing

- Place the nosing firmly back onto the step, lining up the drill holes.
- Tighten the screws firmly using the battery hand drill- this will create a strong, even bond.
- For fixing on to wooden substrate follow the previous instructions but the plugs are not required.



7. Curing of Adhesive

- Use an alcohol wipe to remove any spill over of adhesive. Allow approximately 24 Hours for adhesive to cure.




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Installation Instructions For

Step Nosing F Series

Two-Part Concrete and Timber

Step Nosing - F Series

Two-Part Install

v15.1

1. Preparation of Surface

- Brush the surface clean of dust and debris. If necessary, clean with an industrial cleaner.
- Remove any paint or sealant and then allow the surface to dry.
- It is better for adhesion if timber surfaces are dry.



Steps with exposed sides:

Ensure the nosing is set back from exposed side by at least 20mm to ensure the outer edge of the nosing does not present a sharp hazard.

Built-in steps, installed outdoors:

Leave a 3mm gap between the nosing and the built-in sides, to allow for thermal expansion, and water drainage.

NOTE: The maximum recommended length for installation in outdoor situations is 1.5 metres (5 foot). A 3mm expansion / drainage gap should be left between lengths.

2. Alignment (for installation onto more than one step)

- Place one piece of step nosing on the top step and one on the bottom step.
- Run a string line from the left edge of the top nosing to the left edge of the bottom nosing.
- This will give you a straight, true line.



3. Locating Holes for Fixers (for Timber skip to step 5)

- Place the nosing firmly against the riser of the step.
- Line it up with your string line.
- Mark the location of the drill holes with the drill.
- Remove the nosing.

NOTE: The F14-175 nosing comes pre-drilled with holes every 100mm. You only require 4 fixers per metre. Fixers should be zigzagged across the pre-drilled holes to give maximum support to both sides of the nosing.

4. Drilling holes for fixers (for Timber skip to step 5)

- Using a 6mm (1/4 inch) masonry bit, and the concrete drill, drill the hole that will house the plastic anchor.
- Wipe away any dust or debris.
- Place the plastic anchor fully in to the holes.



5. Applying Adhesive

- Lay a 3mm (1/8 inch) bead in a wave pattern over the full length of the underside of the nosing.
- Keep the adhesive clear of the outside edge and the drill holes.



Step Nosing - F Series

Two-Part Install

v15.1

6. Securing the nosing profile

- Place the nosing firmly back onto the step, lining up the drill holes.
- Tighten the screws firmly using the battery hand drill- this will create a strong, even bond.
- For fixing on to wooden substrate follow the previous instructions but the plugs are not required.



Adhesive Usage:

22 metres per 600ml sausage

Adhesive Brand:

Asia: Bostik Seal n Flex FC (fast cure)

Australia: Bostik Seal n Flex FC (fast cure)

NZ: Bostik Seal n Flex FC (fast cure)

US: Bostik 1100 FS

UK: Simson ISR 70-03 (by Bostik)

Ecoglo supply screw fixers with all orders and can also supply Bostik Seal n Flex FC in 600ml Sausage form with Applicator Gun.

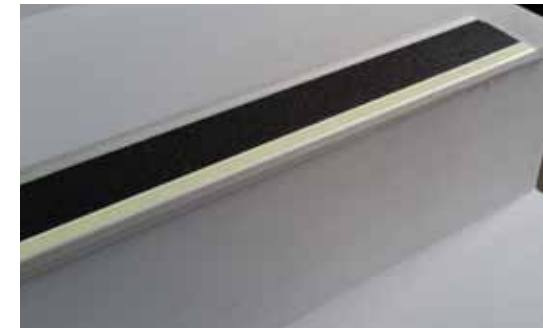
7. Fixing Insert Strip

- Check nosing extrusion channel is free from dust, dirt, grease and moisture.
- Dust or wipe with methylated spirits or damp cloth if required.
- Lay a zigzag of adhesive, 1mm deep, 3mm wide on to the strip.
- Ensure that you don't over apply adhesive as it will spill out once the insert is placed into the nosing.



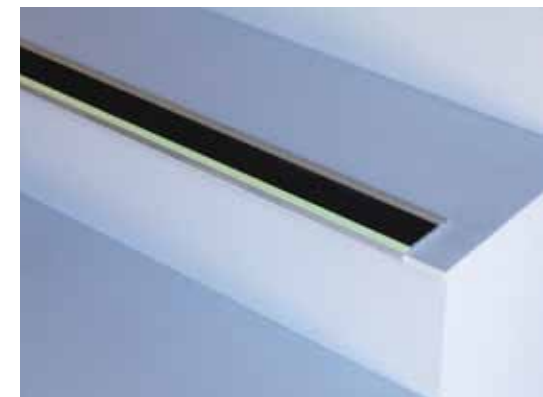
8. Insert strip into the nosing

- Line up the strip insert then place firmly onto the nosing.
- Press in place to ensure even contact, between the adhesive, and the surface of the channel.
- Use a roller or your foot to apply firm downward pressure.
- Use an alcohol wipe to remove any spill over of adhesive.



9. Curing of Adhesive

- Allow approximately 24 Hours for adhesive to cure.



Installation Instructions For

Anti-Slip Strip E & N Series

Concrete and Timber

Anti-Slip Strip - E & N Concrete and Timber

v15.1

1. Preparation of Surface

- Ensure surface is clean, dry and free of oil
- Clean all loose and flaking material from surface.
- If painted or coated, check that adhesive is compatible with the paint or seal coating. IF IN DOUBT THEN REMOVE COATING.

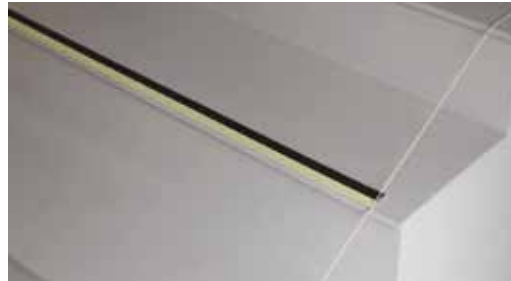


Note: Installation onto Concrete Surfaces

- It is important to use adhesive only for concrete installations. The adhesive will allow some movement to compensate for thermal contraction and expansion and will provide durable adhesion to the concrete substrate.

2. Alignment of the Strips

- Mark 50mm from the edge of the top step.
- Mark 50mm from the edge of the bottom step.
- Place a string line between the marks to ensure the strip on each step will be correctly aligned.



- The maximum recommended length for installation in outdoor situations is 1.5 metres.
- There must be a 3-8mm gap between lengths. This allows for thermal expansion in extreme weather conditions and also aids in water drainage off the step tread.
- Leave 3mm gap either side of built-in steps

3. Preparation of the Strip

- Clean back of contrast strip with soft cloth and if necessary use methylated spirits (or similar solvent) to remove oil or grease
- Allow to dry for approximately 1 minute.

4. Applying the Adhesive

- Apply a 3mm zigzag bead of adhesive to the back of the strip, 3mm in from the edges.
- Continue along the length of the strip.



Adhesive Usage:

E2 & N2 Series - 30 metres per 600ml

E3 & N3 Series - 25 metres per 600ml

E7 & N7 Series - 25 metres per 600ml

Adhesive Brand:

Asia: Bostik Seal n Flex FC (fast cure)

Australia: Bostik Seal n Flex FC (fast cure)

NZ: Bostik Seal n Flex FC (fast cure)

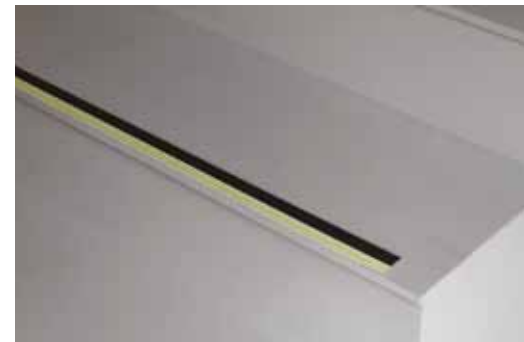
US: Bostik 1100 FS

UK: Simson ISR 70-03 (by Bostik)

Ecoglo can supply Bostik Seal n Flex FC in 600ml Sausage form with Applicator Gun.

5. Placement of the Strip

- Line up the strip with your alignment marks and position approximately 2-3mm back from the front straight edge of the step.
- Place in position with the photoluminescent (light green) component of the strip to the leading edge of the step. (see image below)



Steps with exposed sides:

Ensure the nosing is set back from exposed side by at least 20mm to ensure the outer edge of the nosing does not present a sharp hazard.

Anti-Slip Strip - E & N Concrete and Timber

6. Apply Pressure to the Strip

- Apply even pressure to spread the adhesive beneath the strip using a hand roller.
- If necessary stand on each strip to ensure good contact between the strip and the step.



7. Allow the Adhesive to Cure

- Immediately following installation close off the area for a period of 8 hours to avoid the Ecoglo strip being moved whilst the adhesive is in the early stages of “cure”.
- Wait until adhesive has fully cured (allow at least 24 hours) before trimming any excess from each strip with a sharp blade.

8. Use of Fixers (for Outdoor Timber installations only)

Note: Indoor installations only require adhesive

Outdoor Timber becomes a two step process

For outdoor timber installations both adhesive and fixers should be used because installation onto outdoor timber surfaces varies because of the uneven nature of timber, the various types of timber (eg pine or quila), the protective coating (eg paint or sealer) and seasonal temperature variances.

Step 1:

- Apply adhesive as per steps 3-4 taking care to keep adhesive away from pre drilled holes.
- Place strip as per page 5-6.
- Leave the adhesive to cure for 7 days before installing the fixers.

Step 2:

- Place a screw fixer into each hole and drill in securely using the battery drill.
- Do not fully tighten the fixers to avoid compressing the adhesive.

For timber installations the strips should be pre-drilled through the anti-slip material. The table below shows the number of drill holes required to allow for the natural contraction and expansion of timber.



Hole Drilling Specifications

Hole Drilling Specification	Less than 350mm	350mm - 650mm	650mm - 950mm	950mm - 1250mm	1250mm - 1500mm
Number of Holes	2	3	4	5	6

Holes for fixers are usually drilled as part of manufacturing. If for any reason the product was ordered, or supplied, without holes where fixers are required then Ecoglo recommend the hole spacings shown in the table above for maximum durability.



Installation Instructions For
Handrail MS26
Wall Mounted Handrails

Handrail - MS26 Wall Mounted Handrails

1. Preparing the Wall Surface

- Thoroughly clean the wall surface, if necessary use an industrial strength cleaner.
- Remove any loose paint or sealant and then allow the surface to dry.
- Wall must be clean and dry for adhesive tape to adhere.

2. Alignment

- Using a pencil, mark a line along the wall parallel to the handrail.
- This will be used as a guideline to position the MS26 in line with the handrail.

Note: The MS26 marker must be installed within **100mm horizontally** and **50mm vertically up** from the **centre** of the handrail.



3. Placing the MS26

- Peel the first 50mm of backing tape back.
- Place the end of the MS26 on the wall in the line with your pencil mark.
- Once the full length of the piece is lined up with the guideline pull the remaining backing off the tape and push the MS26 firmly onto the wall as you do so.



Before removing the backing tape, make sure each piece of MS26 is straight and will sit flat against the wall without any need to hold it flat.

If it doesn't sit flat, carefully bend it until it does.



Note: A maximum gap of 100mm is acceptable between pieces and bends in the handrail. ie pieces don't need to be hard up against each other.


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Installation Instructions For

Handrail H Series

Wall Mounted & Freestanding Handrails

Handrail - H Series Round Handrails

1. Preparation of Surface

- Thoroughly clean the surface with an industrial strength cleaner.
- Remove any loose paint or sealant and then allow the surface to dry.
- Handrail must be dry



2. Alignment

- To ensure the Ecoglo Handrail Strip is installed in line, place a string line, slightly off centre, from the top end of the handrail to the bottom.
- This will serve as a guide for where to place each strip accurately onto the rail.



3. Placing Strip onto Handrail

- Remove the backing paper from the tape
- Line up the outside edge with the string line. The strip should be positioned approximately 50mm from the end of the handrail.
- Press firmly down.



- Repeat the above steps for the full length of the handrail with the a 5mm (3/16") gap between each length of handrail.
- If the handrail length overall is longer than 1 metre as supplied, then the 1 metre lengths should be placed at each end of the handrail and a separate unit should be measured and cut for the middle section.
- Following any cutting of the product, ensure edges are filed smooth and rounded.



Note: Using Fixers to Secure Handrail Strip

- To minimize chances of theft and vandalism, fixers can be used to secure the handrail strip.
- A 4mm hole can be drilled at each end of a strip through the handrail, approx 20mm back from the end.
- 5mm pan head screws (or rivets) can then be screwed down firmly but not so tight that the tape squashes under the strip.

Note: Timber Handrails (applies to outdoor installations only)

- Screws **must** be used so that the adhesive tape isn't able to lift if the timber absorbs moisture due to normal weather conditions
- 5mm pan head screws can then be screwed down firmly but not so tight that the tape squashes under the strip.

Note: Flat Handrails (applies to indoor installations only)

- Ecoglo G3-001 can be used on indoor handrails that have flat tops. The same method of installation applies.



Note: Under no circumstances, should handrail product be installed on or around a curve. This includes bends at each end of the handrail.

Installation Instructions For

Signs

Flat Mounted Signs

Ecoglo exit signs are to be installed only where there will be sufficient natural or artificial light to keep them charged whenever the building is occupied.

If unsure, contact Ecoglo

Signs Flat Mounted Signs

Mounting Location

- At doors: mount on a vertical surface within 600mm of the door where the sign is least likely to be obscured from view. Where the ceiling is directly above the top of the door, the sign can be mounted on the door as long as the door is outward opening, and has a self-closer mechanism.
- On walls: mount 2 - 2.5 metres above floor level, or where it is least likely to be obscured from view.
- When installing the sign make sure it is parallel to the nearest horizontal building feature, so that it looks level to the eye.



Mounting Surfaces

- Timber: screw install (use all 4 holes in the sign).
- Plasterboard: screw install with suitable anchors (use all 4 holes in the sign).
- Glass: adhere with NZ Tape Spec 1811 high strength white foam back mounting tape. For signs up to 420mm x 230mm apply two strips of tape 200mm x 25mm near the top and bottom of the sign.
- Concrete, Solid plaster, Steel: adhere with Bostik Seal'N'Flex FC or Wurth KD Bond, and use foam-back tape eg NZ Tape Spec 1822 to ensure sign stays in position while the adhesive is curing.



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Installation Instructions For

Sign Brackets

Wall and Ceiling Mounted Signs

Ecoglo exit signs are to be installed only where there will be sufficient natural or artificial light to keep them charged whenever the building is occupied.

If unsure, contact Ecoglo

Sign Brackets Wall & Ceiling Mounted Signs

1. Assembling the Bracket

- Place a washer on screw and insert into top-left corner of first sign.



- Place mounting bracket over screw.



- If required, place second sign over screw onto opposing side of bracket. Ensure the signs are facing the correct direction.



- Place a washer and nut onto screw and tighten with fingers.



- Using supplied Hex Key and a crescent tighten the nut until flush with surface of sign.



- Repeat previous steps on all corners.



2. Installing the Bracket

- Once mounting location has been decided hold flat to wall or ceiling.
- When installing the sign make sure it looks level to the eye.



- Using screwdriver or battery drill mount sign using screws provided.



Mounting Surfaces

- Mounting surfaces:
- Timber: screw install (use all 4 holes in the bracket).
- Plasterboard, Concrete, Solid plaster: screw install with suitable anchors (use all 4 holes in the bracket).
- Steel: screw or rivet install as appropriate (use all 4 holes in the bracket).

Installation Instructions For

Signs

Suspension Mounted Signs

Ecoglo exit signs are to be installed only where there will be sufficient natural or artificial light to keep them charged whenever the building is occupied.

If unsure, contact Ecoglo

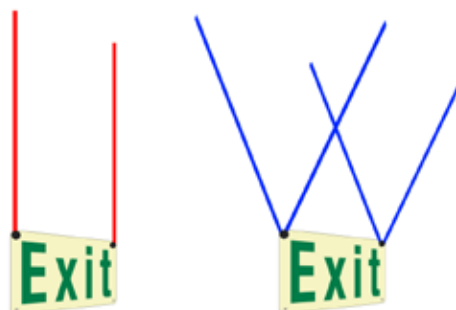


Mounting Location

- When installing the sign make sure it is parallel to the nearest horizontal building feature, so that it looks level to the eye.

Mounting Surfaces

- Use chain or wire from suitable anchor points on the building. Attach to the top 2 holes in the Ecoglo sign with key rings or D-shackles.
- If installed in locations where the sign may be blown around, attach 2 wires or chains to each of the top 2 holes in the Ecoglo sign. The wires or chains should be hung at an angle, for example from 4 points that mark out a 1 metre square.



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Quality
ISO 9001

Installation Instructions For

Cleaning

Exit Signs and Escape Path Markings

Cleaning Instructions For Exit Signs and Escape Path Markings

v16.1

Overview

- Regular cleaning to remove built up dirt and objects will ensure the Ecoglo products will continue performing to expectation.
- The photo-luminescence will continue performing even after UV exposure or exposure to moisture.

Floor Mounted Products

- Vacuuming or brushing with a stiff bristle head (dry or wet) is often enough to keep the strips clean.
- The glowing strip can also be wiped clean with a (dry or wet) sponge or cloth.
- High-pressure water (but not steam cleaning) can also be used.
- Observation will determine if cleaning is required however a regular clean every 4 to 6 weeks or after particularly heavy use should ensure correct performance.

Wall Mounted Products

- Dusting with a soft cloth or brush is often enough to keep the signs clean.
- The glowing material can also be wiped clean with a (dry or wet) sponge or cloth.
- Observation will determine if cleaning is required.

Note

- Do not use highly alkaline or acidic cleaning agents. The pH of the cleaning agents should be between pH5 and pH 12.
- If cleaning agents are applied at more than pH 10, the Ecoglo material should be rinsed with pH neutral (pH 6 to pH8) solution afterwards.



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