

Installation Instructions

For

Step Edge Contrast E & N Series
Step Nosing F Series (Two part installation)
Step Nosing F Series
Guidance Strip G Series (Adhesive)
Guidance Strip G Series (Tape)
Handrail Marker H Series
Handrail Wall Strip MS26
Path Marker T Series
Path Marker G7 Solaris
Door Push Bar Marker UL-DHM3840
Hazard Tape UL-HZ2503
Hazard Tape UL-HZ2518
Photoluminescent Tape UL-PT2503
Photoluminescent Tape UL-PT2518
Signs (Pre-fitted release Tape)
Aisle & Seat Markers

Installation Instructions For

Step Edge Contrast E Series and N Series

Concrete and Timber

These instructions also apply to G6-003 Guidance Strips when used on steps

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

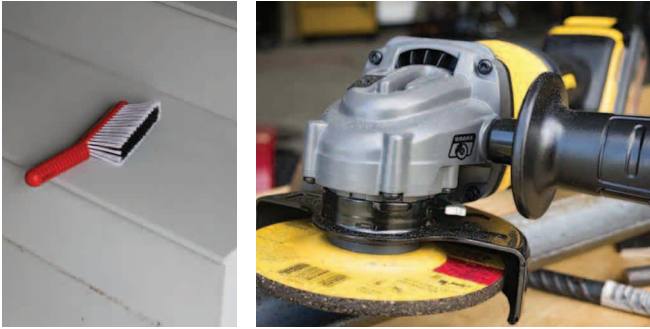
If unsure, contact Ecoglo

Step Edge Contrast - E Series and N Series Concrete and Timber

And G6-003 Guidance Strips when used on steps

1. Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Allow surface to dry.
- **If painted or coated, remove using an angle grinder with abrasive flap disc.**
- Brush/vacuum off the dust.
- Wipe surface with acetone.



Note: Installation onto Concrete Surfaces

- It is preferable 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.

** Where adhesive only installation is preferred on surfaces that have a sealer applied (eg concrete, exposed aggregate and some tiles) a test patch should be laid and allowed to temperature cycle over a minimum of 14 days to ensure a good bond is achieved.*

If the adhesive does not hold then mechanical fixers should be used.

If mechanical fixing is not practical due to potential damage to the substrate please contact Ecoglo.

2. Alignment of the Strips

- Mark 50mm from the left edge of the top step.
- Mark 50mm from the left 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 3mm gap between lengths. This allows for thermal expansion in extreme weather conditions and also aids in water drainage off the step tread.*
- *Leave a 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.

(For installations requiring adhesive & fixers go to step 8)

4. Applying the Adhesive

- Apply a 3mm zigzag bead of polyurethane adhesive (such as Wurth KD Bond and Seal or Bostik Seal n Flex FC) 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/E4/N3 Series - 25 metres per 600ml

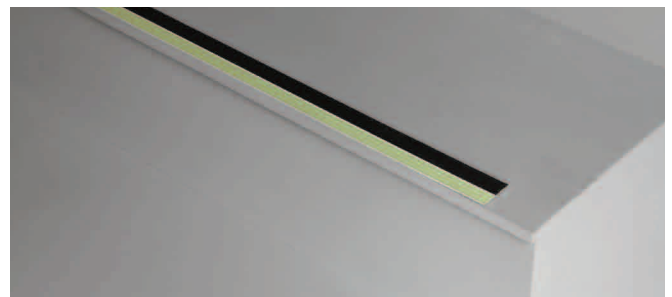
E14/E15/N15 Series - 22 metres per 600ml

G6-003 - 30 metres per 600ml

Ecoglo can supply Wurth KD Bond and Seal 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.

Tile Steps

If the tiles are not perfectly aligned then the contrast strip must be cut into pieces the width of each tile and placed so that the grout line is exposed.

Step Edge Contrast - E Series and N Series Concrete and Timber

And G6-003 Guidance Strips when used on steps

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. Installations requiring Adhesive and Fixers

a. Outdoor Timber installations - 2 stage process

Note: Indoor installations only require adhesive

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

Stage 1:

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

Stage 2:

- Place a screw fixer into each hole and drill in securely using a 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.



b. Concrete Installations

Note: Adhesive only is usually sufficient, however, if adhesive and fixers are preferred, follow the instructions below. DO NOT use fixers without considering the effects of temperature variance and thermal expansion, especially outdoors. If in doubt contact Ecoglo.

- Position the strip approximately 2-3mm from the front straight edge of the step and using the pre-drilled holes mark where the fixers are to be placed.
- Using a 6mm masonry bit and a concrete drill, drill the hole that will house the plastic anchor.
- Wipe away any dust or debris.
- Place the anchor fully into the holes.
- Apply adhesive as per steps 3-4 taking care to keep adhesive away from the pre-drilled holes.
- Place strip as per steps 5-6.
- Place a screw fixer into each hole and drill in securely using a battery drill.
- Do not fully tighten the fixers to avoid compressing the adhesive.

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.

Step Edge Contrast - E Series Release tape pre-fitted (indoor use only)

And G6-003 Guidance Strips when used on steps

Note: Strips with pre-fitted release tape are suitable only for indoor use on steps which are not subject to daily use or heavy foot traffic. Surfaces must be level and thoroughly prepared.

If any doubts about use, please contact Ecoglo for advice at info@ecoglo.com.

1. Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Remove any loose paint or sealant and then allow surface to dry.
- If painted or coated, check that adhesive is compatible with the paint or seal coating. **IF IN DOUBT REMOVE COATING**

2. Alignment of the Strips

- Mark 50mm from the left edge of the top step.
- Mark 50mm from the left edge of the bottom step.
- Place a string line between the marks to ensure the strip on each step will be correctly aligned.
- Offer up the strip to the step it is to be attached to make sure both surfaces are parallel.

Note:

*The maximum recommended length for installation is 1.5 metres.
Leave a 3mm gap either side of built-in steps.*

3. Placement of Adhesive-backed Strip

- Carefully peel off the release-tape backing from the strip.
- Carefully line the strip up with any alignment marks.
- Press the strip firmly in place to ensure even contact between the adhesive tape and the surface to which it is being applied.



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Installation Instructions For

Step Nosing F Series

Two-Part Installation Concrete and Timber

Ecoglo markers 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



Step Nosing - F Series Two-Part Installation 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.

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. A 3mm expansion / drainage gap must 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 zig-zagged 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 masonry bit, and a 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 bead of polyurethane adhesive (such as Wurth KD Bond and Seal or Bostik Seal n Flex FC) 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.

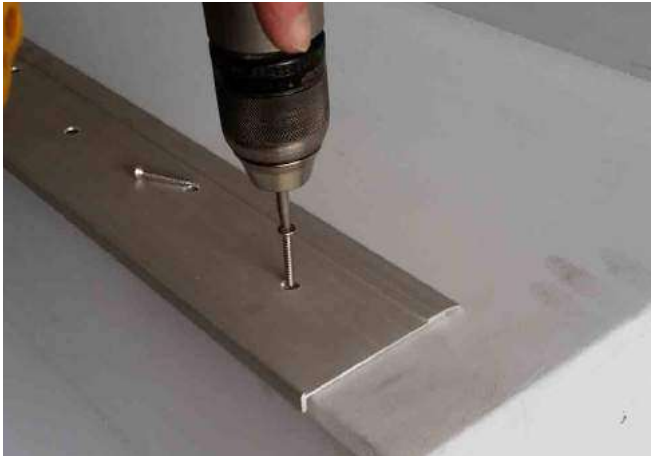


Step Nosing - F Series Two-Part Installation Concrete and Timber



6. Securing the nosing profile

- Place the nosing firmly back onto the step, lining up the drill holes.
- Tighten the screws firmly using a 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:

11 metres per 600ml sausage

Ecoglo supply screw fixers with all orders and can also supply Wurth KD Bond and Seal 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.



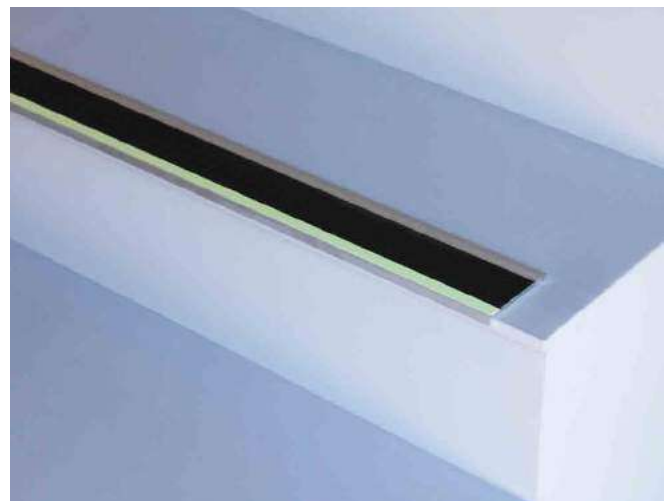
8. Insert strip into the nosing

- 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

Step Nosing F Series

Concrete and Timber

Ecoglo markers 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

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.

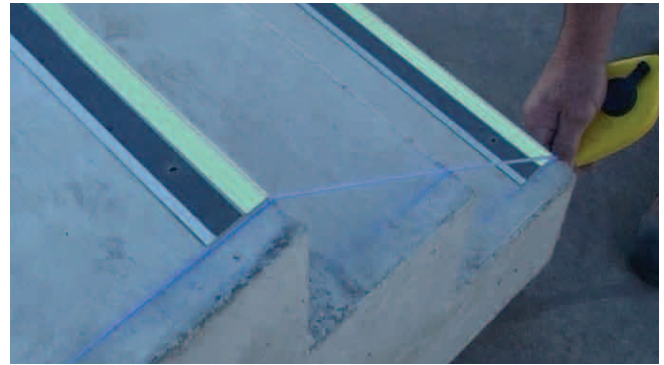


Steps with exposed sides:

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. A 3mm expansion / drainage gap must 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 masonry bit, and a 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

5. Applying Adhesive

- Lay a 3mm bead of polyurethane adhesive (such as Wurth KD Bond and Seal or Bostik Seal n Flex FC) 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

Ecoglo supply screw fixers with all orders and can also supply Wurth KD Bond and Seal in 600ml Sausage form with Applicator Gun.

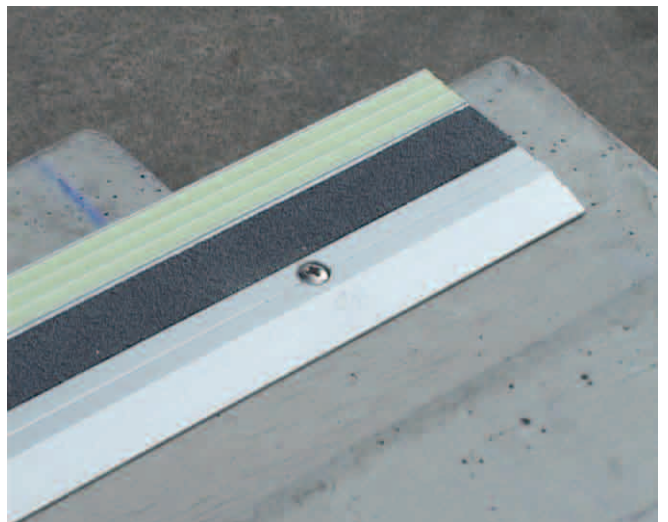
6. Fixing the Nosing

- Place the nosing firmly back onto the step, lining up the drill holes.
- Tighten the screws firmly using a 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

Guidance Strips G Series (Adhesive)

Flat Surfaces

Ecoglo markers 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

Guidance Strips G-Series Flat Surfaces

Ecoglo G-Series guidance strips are extremely versatile and can be applied on various types of surface, including walls, skirting board, floors, door frames and flat sided handrails. Generally, as long as the substrate is clean, flat and dry the product can be successfully installed.

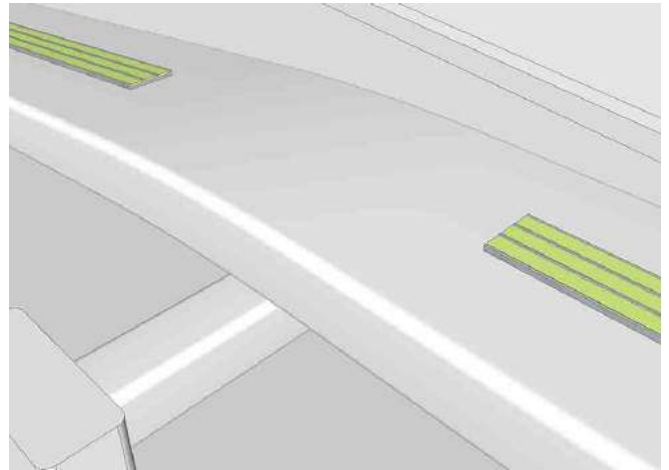
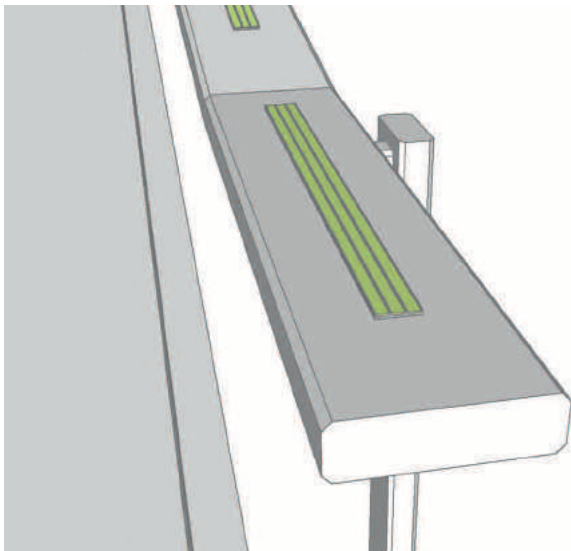
(If in doubt about adhesion, see Section 8 of these instructions.)

1. Preparation of Surface

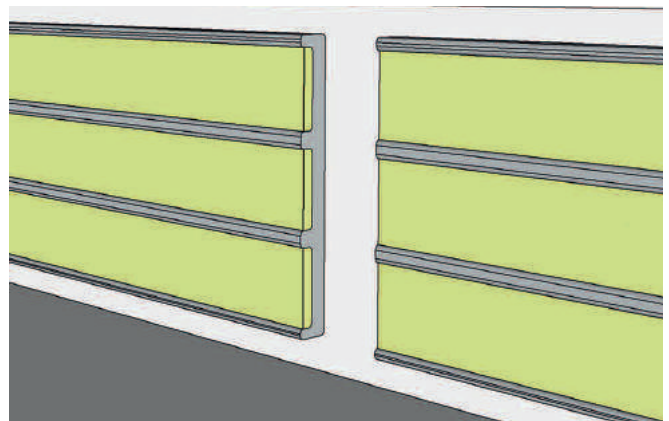
- Thoroughly clean the surface with an industrial strength cleaner if necessary.
- Remove any loose paint or sealant and then allow the surface to dry.
- If the surface has been painted or coated, check that adhesive is compatible with the paint or seal coating.
IF IN DOUBT REMOVE COATING.
- Maximum installation length is 1500mm.

2. Positioning, Alignment of the Strips

- If installing on a flat handrail or other surface such as a wall, mark the position where the strip is to be placed. Use a chalkline, plumb-line or spirit level if necessary to ensure the line is straight.
- Offer up the strip to the surface it is to be attached to, to make sure both surfaces are parallel. If the strip does not sit perfectly flat against the surface without being held in place, carefully bend the strip until it sits perfectly flat against the surface.



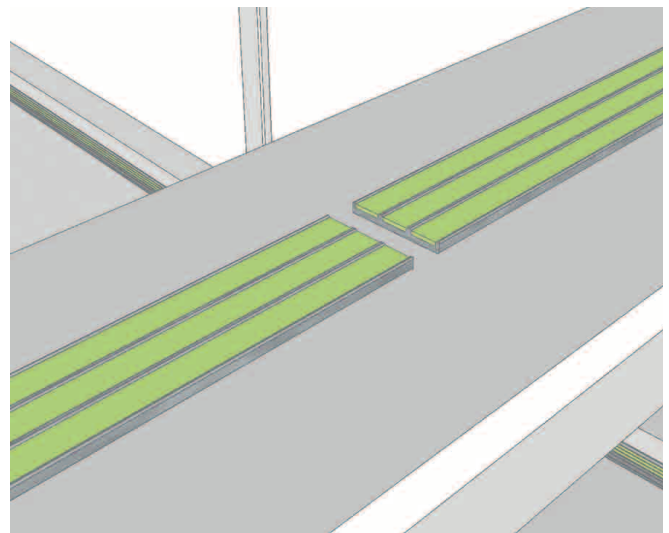
Do not bend guidance strips over bends. Set the strip 50mm from the bend.



Where strips are to be butted together, there must always be a 3mm expansion gap between them. This allows for expansion and contraction between the Ecoglo strip and the building surface.

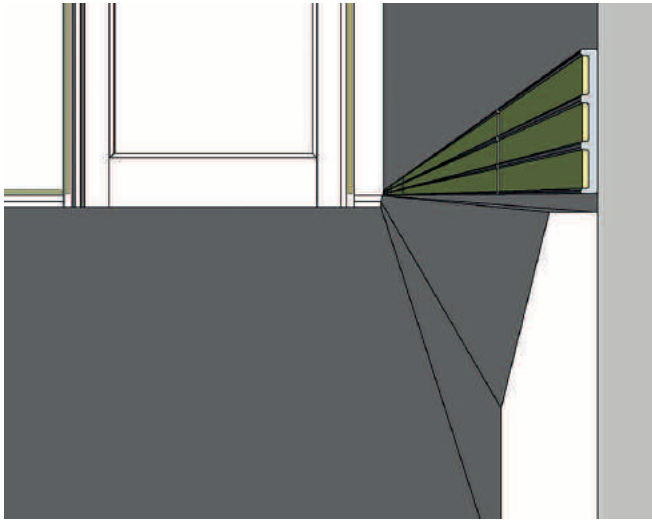
3. Preparation of the Strip

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



Guidance Strips G-Series Flat Surfaces

Guidance strip can be used to mark corridors, lobbies and indoor lengths of path and can be mounted either on the floor within 100mm of the wall, or on the wall within 100mm of the floor. Gaps of 3mm must be placed between strips.



4. Applying the Adhesive

- Apply a 3mm bead of polyurethane adhesive (such as Wurth KD Bond and Seal or Bostik Seal'n'Flex FC) in a wave pattern along the full length of the back of the strip, keeping 3mm in from the edges.

Adhesive Usage: 80 metres per 600ml.

Ecoglo can supply Wurth KD Bond and Seal in 600ml Sausage form with Applicator Gun.

5. Placement of the Strip

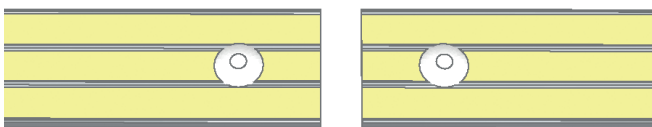
- Line up the strip with your alignment marks. Press the strip firmly in place to ensure even contact between the strip and the surface to which it is being applied.

6. Apply Pressure to the Strip

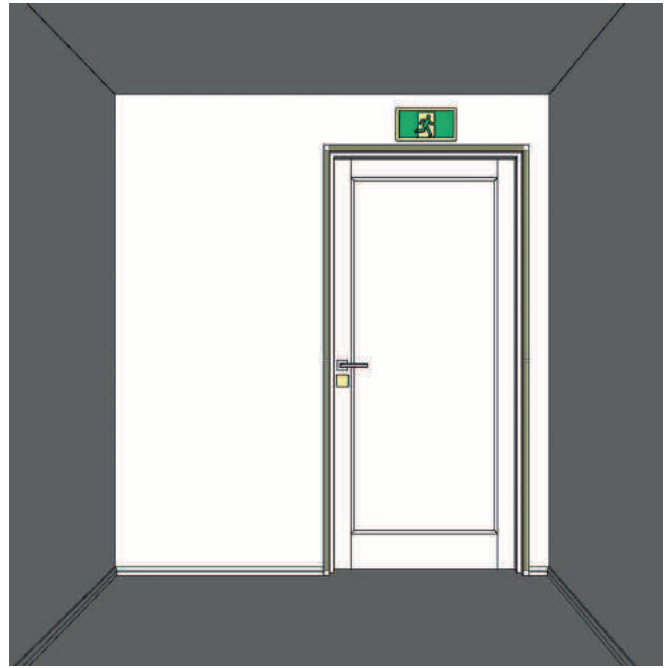
- Apply even pressure to spread the adhesive beneath the strip using a hand roller.

7. Curing of Adhesive

- Use an alcohol wipe to remove any spillover adhesive. Allow approximately 24 hours for adhesive to cure.



For guidance strips on handrails used in schools or public places, screws or rivets must be installed 10 – 15mm in from the end of each strip.



8. Mechanical Fixers (Screws or Rivets)

- For handrails in schools or other places where vandalism may occur, screws (for timber) or rivets (for metal) MUST be used. Install one screw/rivet 10-15mm in from each end of each strip.
- For outdoor timber installations screws MUST also be used so that the strip isn't able to lift if the timber distorts or absorbs moisture due to normal weather conditions. 5mm pan head screws are suitable to be screwed down firmly. Install one screw 10-15mm in from each end and one screw in the middle of each strip.
- If in doubt about the adhesion of the strips to any substrate, use screws/rivets for additional security. Install one 10-15mm in from each end and one in the middle of each strip.

Installation Instructions For

Guidance Strips G Series (Tape)

Flat Surfaces

Ecoglo markers 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

Guidance Strips G-Series Flat Surfaces

Ecoglo G-Series guidance strips are extremely versatile and can be applied on various types of surface, including walls, skirting board, floors, door frames, flat sided handrails and steps*. Generally, as long as the substrate is clean, flat and dry the product can be successfully installed.

Ecoglo G-Series guidance strips have a self-adhesive backing with a release tape for simple installation. (See Section 4 of these instructions if in any doubt about adhesion).

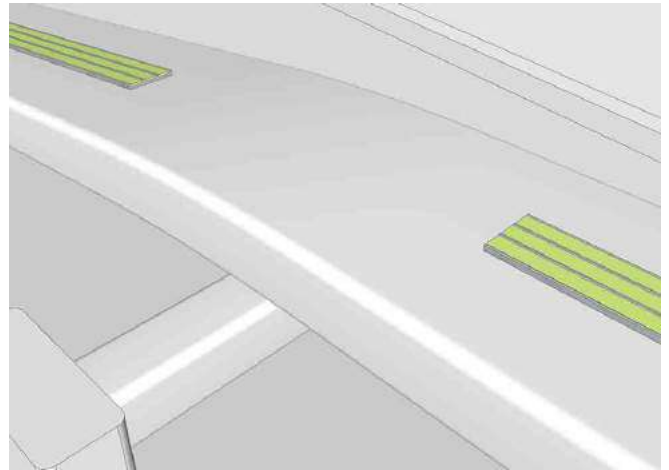
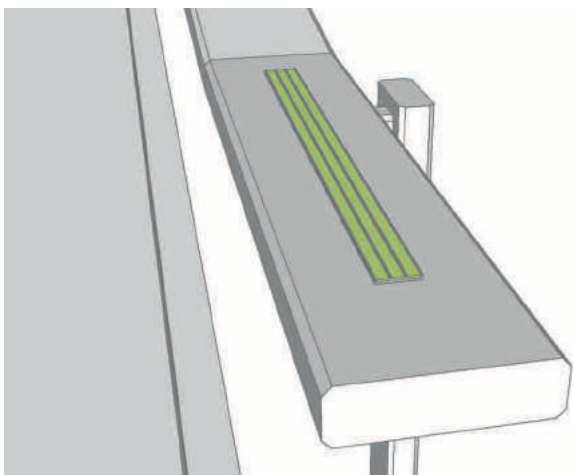
***Ecoglo G6-003 guidance strips are suitable for use on indoor steps which are not subject to daily use or heavy foot traffic. For outdoor steps, or steps which will be subjected to frequent or heavy foot traffic, visit www.ecoglo.com or contact Ecoglo at info@ecoglo.com for information on more suitable Ecoglo products.**

1. Preparation of Surface

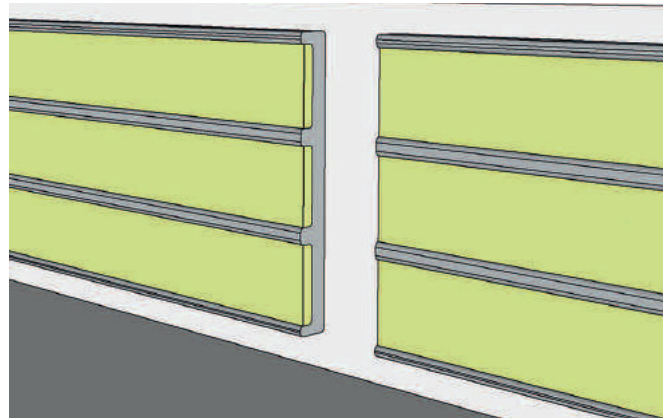
- Thoroughly clean the surface with an industrial strength cleaner if necessary.
- Remove any loose paint or sealant and then allow the surface to dry.
- If the surface has been painted or coated, check that adhesive is compatible with the paint or seal coating.
IF IN DOUBT REMOVE COATING.
- The tape is suitable for a temperature range of 0-40C.
- Maximum installation length is 1500mm.

2. Positioning, Alignment of the Strips

- If installing on a flat handrail or other surface such as a wall, mark the position where the strip is to be placed. Use a chalkline, plumb-line or spirit level if necessary to ensure the line is straight.
- If installing on steps, mark 50mm from the left edge of the top step, and 50mm from the left edge of the bottom step. Place a string line between the marks to ensure the strip on each step will be correctly aligned. This will give a straight, true line.
- Offer up the strip to the surface it is to be attached to, to make sure both surfaces are parallel. If the strip does not sit perfectly flat against the surface without being held in place, carefully bend the strip until it sits perfectly flat against the surface.



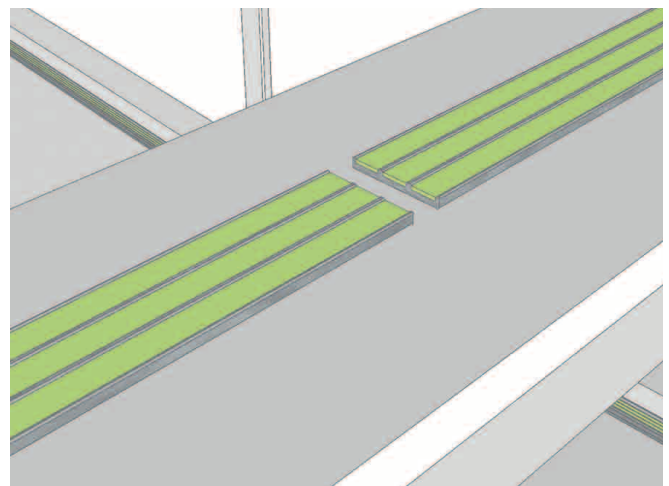
Do not bend guidance strips over bends. Set the strip 50mm from the bend.



Where strips are to be butted together, there must always be a 3mm expansion gap between them. This allows for expansion and contraction between the Ecoglo strip and the building surface.

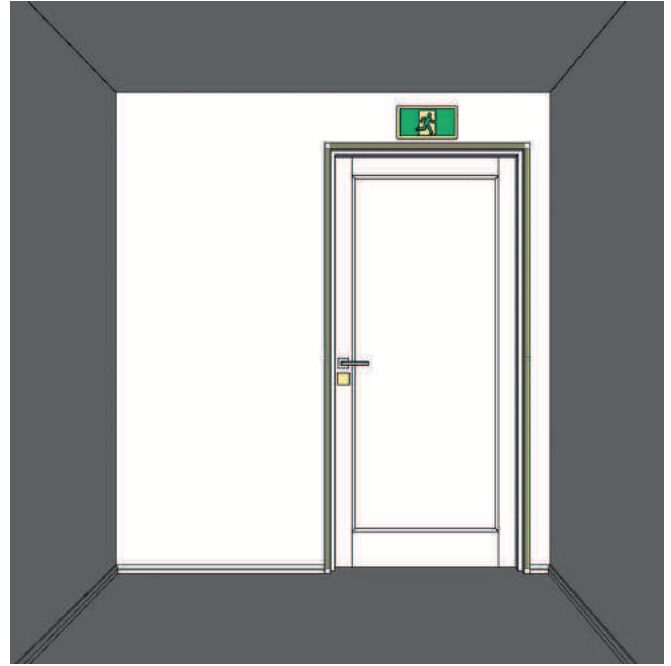
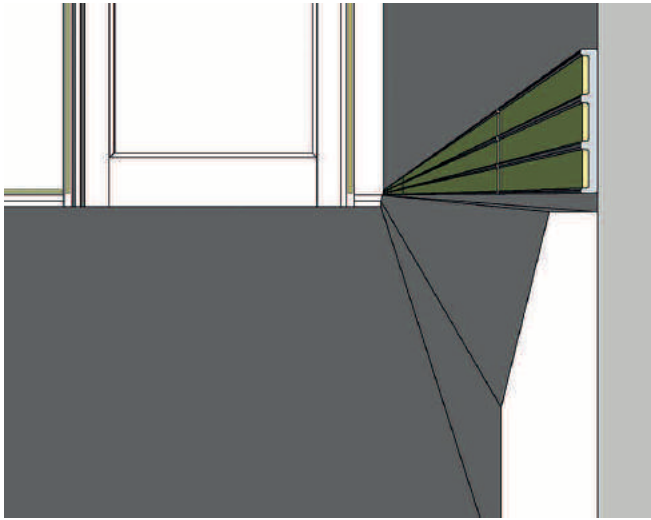
3. Placement of Adhesive-backed Strip

- Carefully peel off the release-tape backing from the strip.
- Carefully line the strip up with any alignment marks.
- Press the strip firmly in place to ensure even contact between the adhesive tape and the surface to which it is being applied.



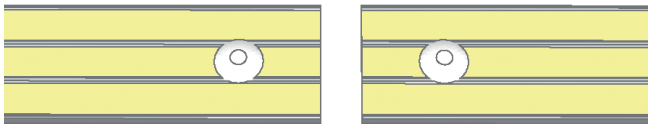
Guidance Strips G-Series Flat Surfaces

Guidance strip can be used to mark corridors, lobbies and indoor lengths of path and can be mounted either on the floor within 100mm of the wall, or on the wall within 100mm of the floor. Gaps of 3mm must be placed between strips.



4. Mechanical Fixers (Screws or Rivets)

- For handrails in schools or other places where vandalism may occur, screws (for timber, as described above) or rivets (for metal) **MUST** be used. Install one screw/rivet 10-15mm in from each end of each strip.
- For outdoor timber installations screws **MUST** also be used so that the adhesive tape isn't able to lift if the timber distorts or absorbs moisture due to normal weather conditions. 5mm pan head screws are suitable to be screwed down firmly but not so tight that the tape squashes under the strip. Install one screw 10-15mm in from each end and one screw in the middle of each strip.
- If in doubt about the adhesion of the strips to any substrate, use screws/rivets for additional security. Install one 10-15mm in from each end and one in the middle of each strip.



For guidance strips on handrails used in schools or public places, screws or rivets must be installed 10 – 15mm in from the end of each strip.

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Installation Instructions For

Handrail Marker H Series

Wall Mounted and Freestanding
Round Handrails



Handrail Marker - 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 leaving a 5mm gap between each length of handrail strip.

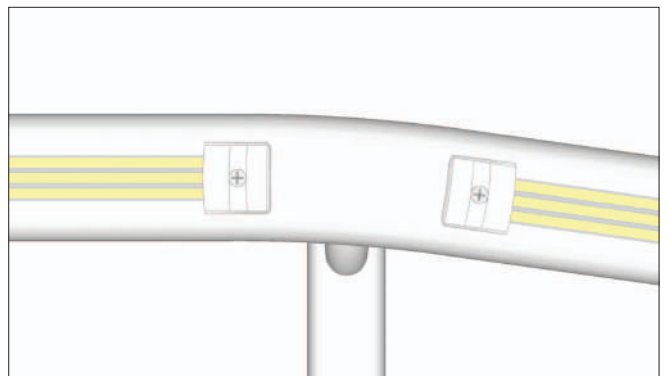
Where strips are to be butted together, there must always be a 5mm expansion gap between them. This allows for expansion and contraction between the Ecoglo strip and the handrail surface and also aids in water drainage off the handrail.

- If the overall length of the handrail 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.



4. Bends and Curves on Handrails

- Under no circumstances should handrail product be installed on or around a curve. This includes bends at each end of the handrail.
- Set the strip 50mm from a bend or a curve.

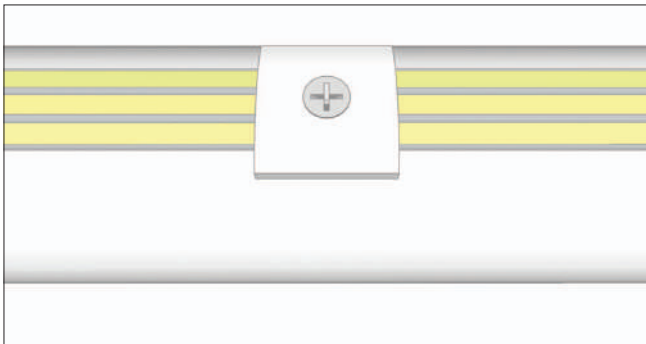
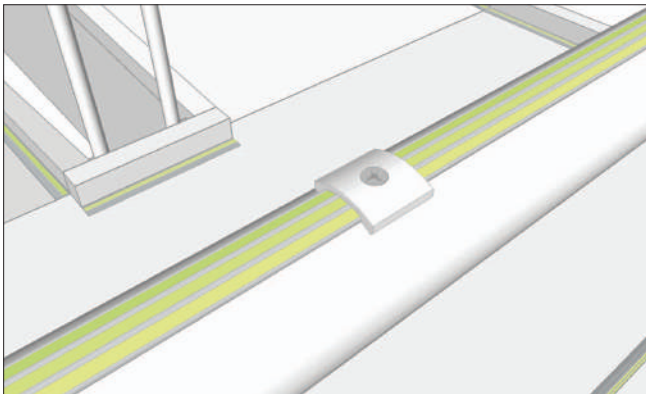


Handrail Marker - H Series Round Handrails

5. Placement of Joiner Caps

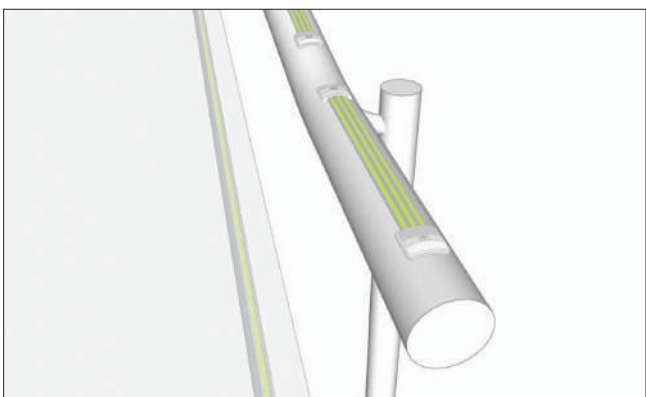
- Where a small gap (minimum of 5mm) has been left between lengths, Ecoglo recommends placing an Ecoglo HRJ3 Joiner Cap. This ensures no sharp edges are exposed while protecting the ends of the strips.
- The joiner cap is placed over both ends of each strip and secured with a screw (on timber handrails) or a rivet (on metal handrails).

If no joiner caps are used, ensure edges are filed smooth and rounded following any cutting of the strip.



6. Placement of End Caps

- Ecoglo recommends placing an Ecoglo HREC3 End Cap on each end of handrail strip. This ensures no sharp edges are exposed while also protecting the end of the strip.
- The end cap is placed over the end of the strip and secured with a screw (on timber handrails) or a rivet (on metal handrails).



If no end caps are used, ensure edges are filed smooth and rounded following any cutting of the strip.

Rivets: (RIV3.2/10 - 3.2x10 Sealed Blind Rivets in White) included with Joiner Caps and End Caps.

Screws: STCQX419WHT - 4Gx19 Countersunk Square Drive Self Tapper in White

7. Mechanical Fixers (screws or rivets)

- If the installer has elected not to use end or joiner caps, mechanical fixers are still required.
- To ensure water tightness, Ecoglo recommends the use of sealed rivets where fixers are used on metal handrails.
- In all installations, indoor and outdoor, screws (for timber) or rivets (for metal) MUST also be used. Install one screw/rivet 10-15mm in from each end of each H series strip.
- For outdoor timber installations 5mm pan head screws are suitable. Screw down firmly but not so tight that the tape squashes under the strip. Install one screw 10-15mm in from each end and one screw in the middle of each H series strip.

Note: Flat Handrails

- Ecoglo G3-001 can be used on indoor handrails that have flat tops. The same method of installation applies. There are no End Caps or Joiner Caps available for flat handrails.



Installation Instructions For

Handrail Wall Strip MS26

Wall Mounted Handrails

Ecoglo markers 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

Handrail Wall Strip - MS26 Wall Mounted Handrails

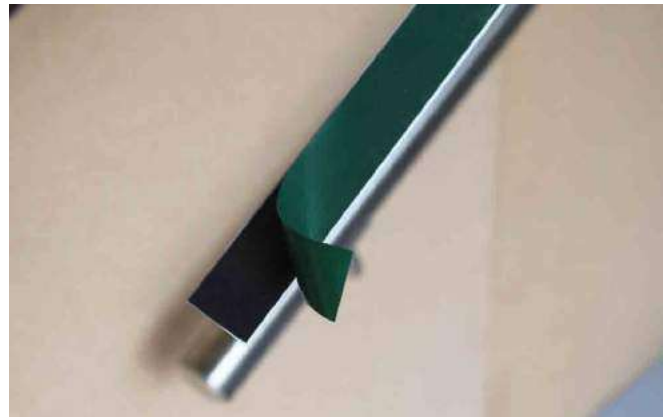
1. Preparing the Wall Surface

- 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.

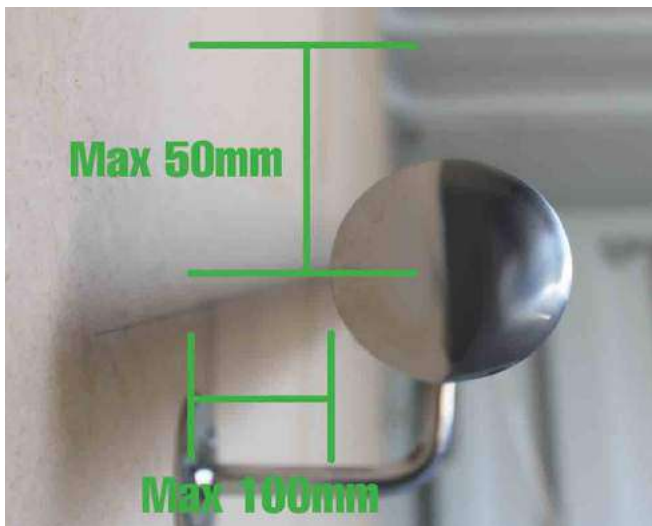
2. Alignment

- 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 strip must be installed within **100mm horizontally** and **50mm vertically up** from the **centre** of the handrail.



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.

3. Placing the MS26 Strip

- Peel the first 50mm of backing tape back.
- Place the end of the MS26 strip 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 strip firmly onto the wall as you do so.



Installation Instructions For

Path Markers T-Series

Concrete and Timber

Ecoglo markers 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

Ecoglo International Limited
Email: info@ecoglo.com
www.ecoglo.com



Path Markers T-Series Concrete and Timber

1. Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Remove any loose paint or sealant and then allow surface to dry.
- If painted or coated check that the adhesive is compatible with the paint or seal coating*. IF IN DOUBT REMOVE COATING.

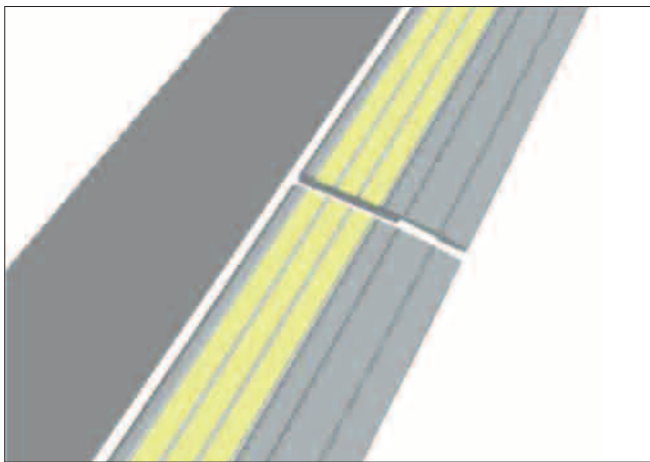
Note: Installation onto Concrete Surfaces

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.

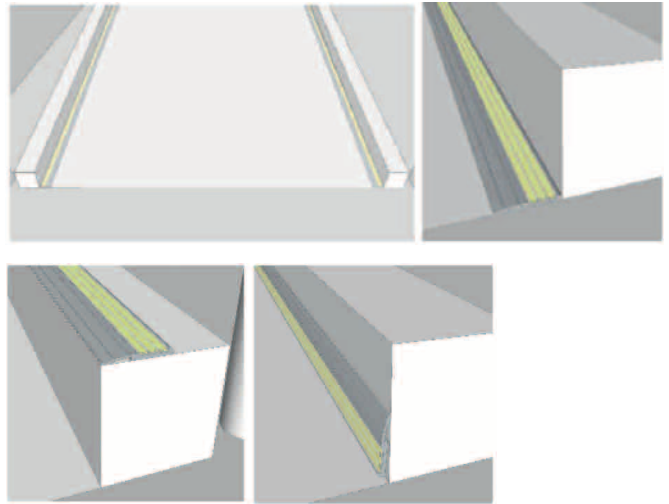
* Where adhesive only installation is preferred on surfaces that have a sealer applied (eg exposed aggregate and some tiles) a test patch should be laid and allowed to temperature cycle over a minimum of 14 days to ensure a good bond is achieved. If the adhesive does not hold then mechanical fixers should be used. If mechanical fixing is not practical due to potential damage to the substrate please contact Ecoglo.

2. Alignment of the Path Markers

- Mark the position where the path marker is to be placed using a chalk line if necessary to ensure the line is straight.



Note: The Path Markers come in 1m lengths. A 3mm expansion/drainage gap must be left between lengths. Markers can be cut with a hand-saw or drop-saw to suit.



The Path Marker installed in various positions on a ramp.

3. Timber Installation

- Place the path marker in position, lining it up with any markings.
- Pre-drill a pilot hole in the timber if necessary.
- Tighten the screws firmly using a battery drill.

4. Concrete Installation

- Lay a 3mm bead of polyurethane adhesive (either Wurth KD Bond and Seal or Bostik Seal n Flex FC) in a wave pattern over the full length of widest part on the underside of the marker.
- Place the path marker firmly onto the substrate ensuring it is straight.

Adhesive Usage:

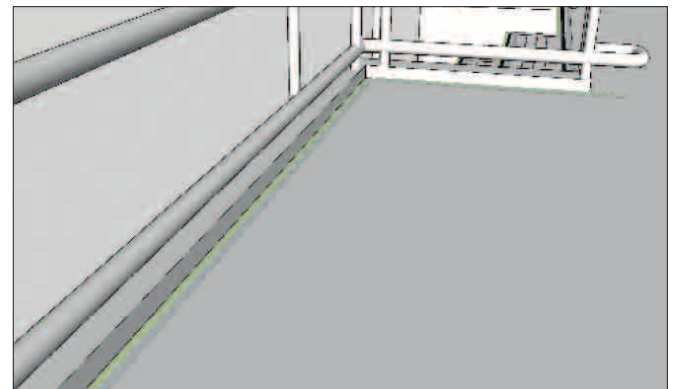
T5-101 - 25 metres per 600ml

T6-101 – 30 metres per 600ml

Ecoglo can supply Wurth KD Bond and Seal in 600ml Sausage form with Applicator Gun.

5. Curing of Adhesive

- Use an alcohol wipe to remove any spillover of adhesive.
- Allow approximately 24 hours for adhesive to cure.



The Path Marker installed adjacent to wall.





Installation Instructions For

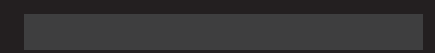
G7 Solaris

Path Markers

Ecoglo markers 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

Ecoglo International Limited
Email: info@ecoglo.com
www.ecoglo.com



G7 Solaris Path Markers

1. Mounting Location

G7 Solaris Path Markers can be applied to various surfaces including vinyl, concrete and asphalt. Generally, as long as the substrate is clean, flat and dry the product can be successfully installed. However, it is also important that the appropriate fixing method is used.

Ecoglo recommends the following:

- Vinyl surface – pre-fitted release tape
- Concrete surface – adhesive **and** fixers (screws)*
- Asphalt – adhesive **and** fixers (screws), or tar

**If path markers are to be installed in a 'light-duty' area, ie, with foot traffic only, then adhesive only is an option. If the adhesive does not hold then fixers should also be used.*

If in doubt about which method to use please consult Ecoglo.



2. Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Remove any loose paint, sealant or other debris and allow the surface to dry.

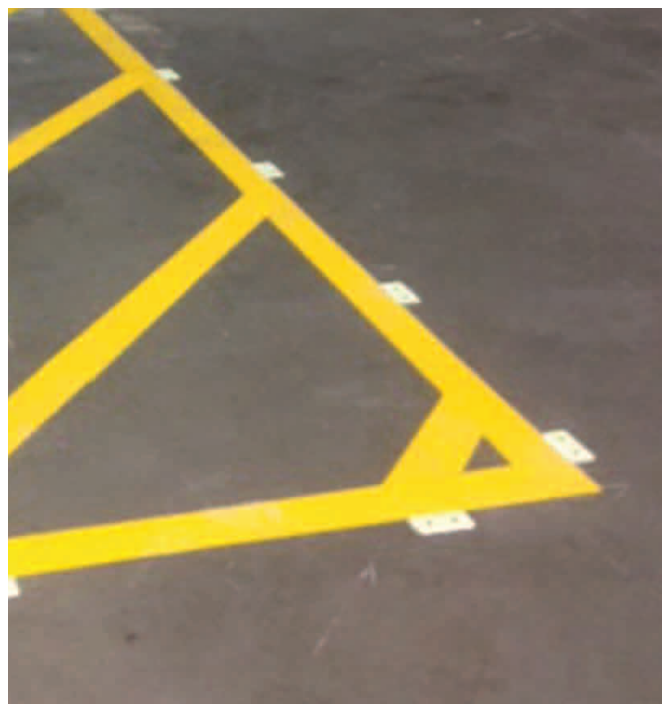
- If using adhesive and the surface has been painted or coated, check that adhesive is compatible with the paint or seal coating. **IF IN DOUBT REMOVE COATING.**

3. Positioning and Alignment of Path Markers

- Painted yellow hatch lines are always required when G7 Solaris Path Markers are installed in a building unless there is good reason to be confident that the marked escape route will not get obstructed at any time during occupation of the building. Ecoglo recommends that these lines are painted prior to installation of the path markers so that when lines need re painting the markers aren't in the way.

Note: The yellow painted path must be no less than 850mm wide.

- Refer to the Ecoglo design for spacing details of the G7 Solaris Path Markers.
- Mark the position where the path marker is to be placed using a chalk line if necessary to ensure the line, where appropriate, is straight.



G7 Solaris Path Markers placed on outside of painted path

4. Installation of Path Markers

Pre-fitted release tape

- Remove tape backing strip and line path marker up with your alignment marks.
- Press the path marker firmly in place to ensure even contact between the marker and the surface to which it is being applied.
- Apply even pressure to the marker to ensure it is fixed firmly to the surface.

G7 Solaris Path Markers

Adhesive

- Apply a 3mm bead of polyurethane adhesive (such as Würth KD Bond and Seal or Bostik Seal n Flex FC) in a wave pattern along the full length of the back of the path marker, keeping 3mm in from the edges.
- Line up path marker with your alignment marks.
- Press the path marker firmly in place to ensure even contact between the marker and the surface to which it is being applied.
- Apply even pressure to spread the adhesive beneath the marker using a hand roller.
- Use an alcohol wipe to remove any spillover adhesive.
- Allow approximately 24 hours for adhesive to cure.

Adhesive Usage: 250 pieces per 600ml

Ecoglo can supply Würth KD Bond and Seal in 600ml Sausage form with Applicator Gun.

Adhesive and Fixers (screws)

- Line up path marker with your alignment marks.
- Mark the location of the drill holes with a drill.
- Using a 6mm masonry bit, and a concrete drill, drill the hole that will house the plastic anchor.
- Wipe away any dust or debris.
- Place the plastic anchor fully into the holes.
- Lay a 3mm bead of polyurethane adhesive (such as Würth KD Bond and Seal or Bostik Seal n Flex FC) in a wave pattern over the full length of the underside of the path marker.
- Place the path marker firmly back into place, lining up the drill holes.
- Keep the adhesive clear of the outside edge and the drill holes.
- Insert fixers (screws) and tighten using drill.
- Use an alcohol wipe to remove any spillover of adhesive.
- Allow approximately 24 hours for adhesive to cure.

Adhesive Usage: 250 pieces per 600ml

Ecoglo supply fixers and can also supply Würth KD Bond and Seal in 600ml Sausage form with Applicator Gun.



Installation Instructions For

Door Push Bar Marker UL-DHM3840

Flat Surfaces

Ecoglo markers 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



Installation Instructions for Door Push Bar Marker

UL-DHM3840



Ecoglo recommended UL-DHM3840 Door Push Bar Marker comes pre-fitted with release tape, making installation a simple process.

Note: This marker is for indoor use only.

1. Surface preparation

- The installation surface MUST be smooth.
- Thoroughly clean the surface with an industrial strength cleaner, if necessary, to remove any surface contaminants such as dust, dirt, grease etc.
- Loose paint must be removed from painted surfaces.
- Allow the surface to dry.
- If the surface has been painted or coated, check that adhesive is compatible with the paint or seal coating.

2. Application

- If necessary, mark the position on the push bar where the Door Push Bar Marker is to be placed.
- Carefully peel off the release-tape backing from the marker.
- Line the marker up with any alignment marks made.
- Press the marker firmly in place to ensure even contact between the adhesive tape and the push bar.



Installation Instructions For

Hazard Tape UL-HZ2503

Flat Surfaces

Ecoglo markers 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



Installation Instructions for Hazard Tape UL-HZ2503

Ecoglo recommended UL-HZ2503 Hazard Tape can be installed successfully on most clean, dry, smooth surfaces. Common applications for the hazard tape include obstacles, pipes, and firefighting equipment which extends into the egress path.

Note: This tape is for indoor use only.

Users should test the tape in a small area for suitability and satisfactory adherence to the installation surface prior to completing full installation.

1. Preparation of Surface

- The installation surface **MUST** be smooth.
- Thoroughly clean the surface with an industrial strength cleaner, if necessary, to remove any surface contaminants such as dust, dirt, grease etc.
- Loose paint must be removed from painted surfaces.
- Allow the surface to dry.
- If the surface has been painted or coated, check that adhesive is compatible with the paint or seal coating.

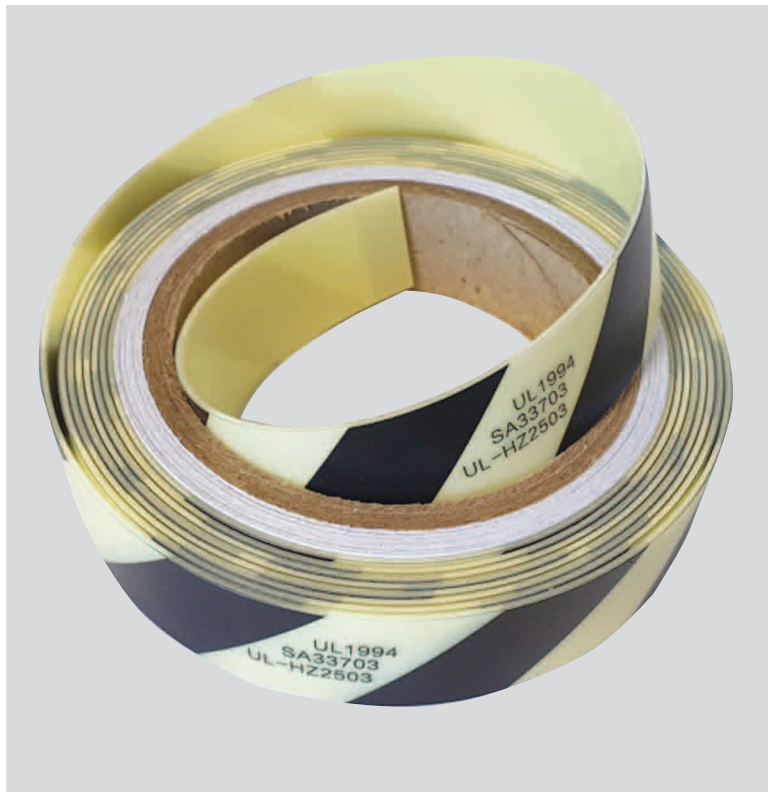
2. Application

Applying the adhesive tape

- **Do not stretch the tape when applying to the installation surface.**
- Apply the adhesive tape by removing a few centimetres of the liner and pressing the tape to the installation surface.
- Firmly roll or rub the tape in the direction which it is being applied, removing as much liner as is required to complete installation.
- Repeat rubbing or rolling as necessary to ensure that the tape has completely conformed to the surface.

Applying the photoluminescent hazard tape

- **Do not stretch the tape when applying to the adhesive tape.**
- Apply the hazard tape by removing a few centimetres of the liner and pressing the tape to the adhesive tape.
- Firmly roll or rub the tape in the direction which it is being applied, removing as much liner as is required to complete installation.
- Repeat rubbing or rolling as necessary to ensure that the hazard tape has completely adhered to the adhesive tape.



Installation Instructions For

Photoluminescent Tape UL-PT2503

Flat Surfaces

Ecoglo markers 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

Installation Instructions for Photoluminescent Tape UL-PT2503

Ecoglo recommended UL-PT2503 Photoluminescent Tape can be installed successfully on most clean, dry, smooth surfaces. Common applications for the photoluminescent tape include door frames and hardware, handrails and stairway perimeter markings.

Note: This tape is for indoor use only.

Users should test the tape in a small area for suitability and satisfactory adherence to the installation surface prior to completing full installation.

1. Preparation of Surface

- The installation surface **MUST** be smooth.
- Thoroughly clean the surface with an industrial strength cleaner, if necessary, to remove any surface contaminants such as dust, dirt, grease etc.
- Loose paint must be removed from painted surfaces.
- Allow the surface to dry.
- If the surface has been painted or coated, check that adhesive is compatible with the paint or seal coating.

2. Application

Applying the adhesive tape

- **Do not stretch the tape when applying to the installation surface.**
- Apply the adhesive tape by removing a few centimetres of the liner and pressing the tape to the installation surface.
- Firmly roll or rub the tape in the direction which it is being applied, removing as much liner as is required to complete installation.
- Repeat rubbing or rolling as necessary to ensure that the tape has completely conformed to the surface.

Applying the photoluminescent tape

- **Do not stretch the tape when applying to the adhesive tape.**
- Apply the photoluminescent tape by removing a few centimetres of the liner and pressing the tape to the adhesive tape.
- Firmly roll or rub the tape in the direction which it is being applied, removing as much liner as is required to complete installation.
- Repeat rubbing or rolling as necessary to ensure that the photoluminescent tape has completely adhered to the adhesive tape.



Installation Instructions For

Signs (Pre-fitted release tape)

(Including Floor Identification Signs and Door Handle Markers)

Surface Mounted Signs

Ecoglo 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



Installation Instructions for Signs (Pre-fitted release tape)

1. Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Remove any loose paint or sealant then allow surface to dry.

2. Positioning of Signs

- Mark position on the door or wall where sign is to be placed.

Note:

Floor Identification signs – the mounting height must be in accordance with local and national codes.

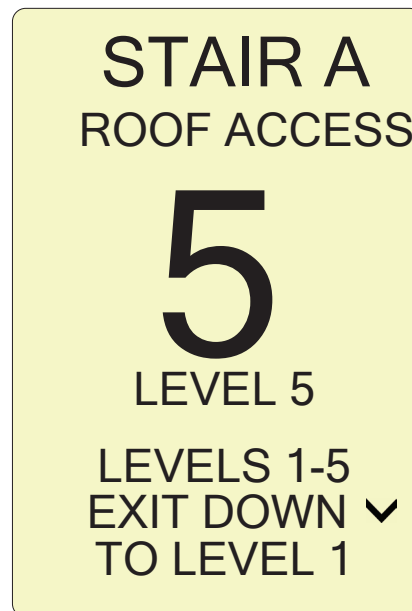
3. Placement of Signs

- Peel the protective layer from the back of the sign to expose the adhesive ensuring nothing comes into contact with it.
- Line the sign up with the markings you made.
- Apply pressure evenly over the sign to fix it fast to the surface.

4. Maintenance of Signs

- Regular dusting with a soft cloth or brush is recommended to keep the sign clean.
- If the sign is noticeably dirty, clean with a sponge or cloth.

See Cleaning Instructions for more detailed information.



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Installation Instructions For

Aisle Markers Seat Markers

Ecoglo markers 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



Aisle Markers

Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Remove any loose paint or sealant and then allow surface to dry.
- If painted or coated check that the adhesive is compatible with the paint or seal coating*. **IF IN DOUBT REMOVE COATING.**

**Adhesive only installation is preferred on most concrete surfaces but those that are painted or have a sealer applied (eg exposed aggregate and some tiles) require a test patch to be laid and allowed to temperature cycle over a minimum of 14 days to ensure a good bond is achieved.*

If the adhesive does not hold then mechanical fixers should be used. Ecoglo can supply markers with holes pre-punched in each corner. Alternatively the material can be drilled on site with a standard drill bit but care needs to be taken near the edges to prevent cracking the material. If mechanical fixing is not practical due to potential damage to the marker or the substrate please contact Ecoglo.

Placement of Standalone Aisle Markers

- Maintain a consistent positioning for each marker.
- Ensure marker is placed as far from foot traffic as practical while still remaining visible to moving patrons.

Fitting Aisle Markers to Nosings

- If the aisle markers are being fitted into the ends of a step nosing then additional planning is required. The best option is to install the markers prior to fitting the insert strip. There may be a small size variation between each aisle marker so, by installing them first, the insert strip can be accurately measured to the correct size for a clean finish.

Installation

- Lay a 3mm bead of polyurethane adhesive (either Wurth KD Bond and Seal or Bostik Seal n Flex FC) in a wave pattern over the full length of widest part on the underside of the marker.
- Place the path marker firmly onto the substrate ensuring it is straight.

Adhesive Usage:

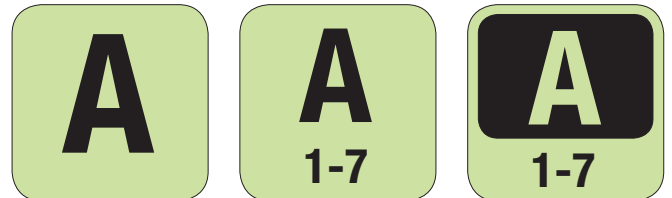
SQ63 - 350 markers per 600ml

SQ90 - 250 markers per 600ml

Ecoglo can supply Wurth KD Bond and Seal in 600ml Sausage form with Applicator Gun.

Curing of Adhesive

- Use an alcohol wipe to remove any excess adhesive that may have squeezed out.
- Allow approximately 24 hours for adhesive to cure.



Seat Markers

Preparation of Surface

- Thoroughly clean the surface with industrial strength cleaner if necessary.
- Remove any loose paint or sealant and then allow surface to dry.
- Check that the adhesive is compatible with the seat material prior to starting the installation*.

**Standard installation requires rivets only. Most markers are drilled with a 3.0mm hole on two ends for 2.4mm rivets. If drilling into the seat is not practical then the markers can be fixed with adhesive only. A test piece should be adhered and allowed to temperature cycle over a minimum of 14 days to ensure a good bond is achieved. If the adhesive does not hold then mechanical fixers should be used.*

Placement of the Seat Markers

- Maintain a consistent positioning for each marker.
- Ensure that marker can be clearly seen when the seat is unoccupied.
- Most seating has a moulded recess to hold a marker. Ecoglo have common sizes of marker available to suit a variety of manufacturer's seating. Contact Ecoglo for more information.



Installation with Rivets

- Where rivets are being used to fix the marker, the holes should be predrilled.
- On smaller projects these can be marked manually with a vivid pen for each marker.
- On larger projects, a jig can be fabricated to fit the seat which will speed up the marking process.

Rivets: Aluminium domed 2.4mm x 5.8mm.

Installation with Adhesive

- Each marker only requires two 5mm dots of adhesive.
- Once placed on the seat masking tape should be used to hold the marker in position until the adhesive cures.
- Use an alcohol wipe to remove any excess adhesive.
- Allow approximately 24 hours for adhesive to cure.

Ecoglo can supply Wurth KD Bond and Seal in 600ml Sausage form with Applicator Gun.

