



Moon Deck™

Innovative luminous Coating Systems

Moon Deck™ Pty Ltd
3/145 Bosworth Rd
Bairnsdale Vic 3875
AUSTRALIA
Ph: +61 1300 930 097
ABN: 84 158 591 544

www.moondeck.com.au
info@moondeck.com.au

INSTALLATION INSTRUCTIONS

SAFETY

When installing Moon Deck™ 'Glow Step' Luminous, Anti-Slip Stair Nosing's, we strongly recommend that PPE (personal protective equipment) is worn at all times. PPE day-time operation requirements but not limited to:

- Safety footwear
- Hearing protection
- Hard hat
- Eye/face protection - Goggles
- Face protection - Face Shield
- Safety gloves
- Breathing protection

PPE required for particular tool. Ensure all PPE meets relevant Australian Standards.

Inspect, and replace PPE as needed. Implement a project/task specific SWMS (Safe Work Method Statement), as per WHS legislation.

SURFACE PREPARATION

Surface preparation, if using a suitable adhesive, shall be in accordance to the manufacturer's specification. The stairs must be dry, clean and free from any debris. If there are areas that are damaged these should be repaired so that the surface is flat and even. Undertake a dry fit of the nosing to ensure that it sits flat and is the correct size.

CUTTING GLOW STEPS TO SIZE

Stair nosing must be cut outside in well ventilated areas. Any further cutting to the stair nosing must be carried out with a wet saw to prevent friction and burning. A ceramic or tile blade is most appropriate. Dust residue can be disposed of using normal waste disposal methods.

RECOMMENDED FIXING OPTIONS

- **High Strength Polyurethane Adhesive- We recommend 'Soudal' branded T-Rex Adhesive.**
- **Stainless Steel Countersunk Decking Screws**
- **Class 3 Galvanised Countersunk Timber Screws**
- **Stainless Steel Countersunk or Domed Bolts-Nylon Nuts**
- **Rivets**

FITTING / FIXING GLOW STEPS

Timber Surfaces

1. Place the stair nosing onto the desired surface location.
2. Use a **glass and tile wet** drill bit, marginally larger than the selected fixing head, to countersink the top of the stair nosing in the desired locations. **Do not exceed further than 1.5mm** allowing the majority of the fixing to be below surface level.
3. Once the countersunk holes have been drilled, follow through with your selected fixing screw pilot as per the selected fixing size.

4. Additional high strength polyurethane adhesive can be used (if required) to add extra bonding to the underneath the stair nosing and also reduce any 'Drumming' sound that may result with timber shrinkage or general movement.

Metal Surfaces

1. Place the stair nosing onto the desired surface location.
2. Use a **glass and tile wet** drill bit, marginally larger than the selected fixing head, to countersink the top of the stair nosing in the desired locations. **Do not exceed further than 2.0mm** allowing the majority of the fixing to be below surface level.
3. Once the countersunk holes have been drilled, follow through with your selected fixing screw pilot as per the selected fixing size. There are many options for fixing; rivets or stainless metal thread nut and bolts.
4. Additional high strength polyurethane adhesive can be used (if required) to add extra bonding to the underneath the stair nosing and also reduce any 'Drumming' sound that may result with timber shrinkage or general movement.

Concrete and Masonry Surfaces

1. Place the stair nosing onto the desired surface location.
2. Use a **glass and tile wet** drill bit, marginally larger than the selected fixing head, to countersink the top of the stair nosing in the desired locations. **Do not exceed further than 2.0mm** allowing the majority of the fixing to be below surface level.
3. Once the countersunk holes have been drilled, follow through with your selected fixing screw pilot as per the selected fixing size. There are many options for fixing; rivets or stainless metal thread nut and bolts.
4. Additional high strength polyurethane adhesive can be used (if required) to add extra bonding to the underneath the stair nosing and also reduce any 'Drumming' sound that may result with timber shrinkage or general movement.
5. An anchor may also be used depending on the surface.

ADHESIVE

Whilst mechanical fixings are all that is required to secure the stair nosing, wherever possible, the application of an appropriate high strength polyurethane adhesive such as T-Rex by Soudal or similar will provide the following benefits: A secondary fixing in the event that the mechanical fixings should fail.

A barrier against the "Drumming" noise that may be created when fitting over the existing substrate that is uneven.

Important preparation to the underside of the stair nosing must be carried out prior application as per manufacturer's requirements for maximum bonding.

We recommend a minimum abrasion of the surface with 80-120 Grit sand paper to roughen up the surface, followed by a light solvent wipe with Acetone to remove any waxes and residues.

Apply a 5-8mm bead of high strength adhesive over the underside of the stair nosing and in horizontal or diagonal stripes. Immediately press the stair nosing firmly to the substrate to ensure adequate transfer of adhesive. A firm bond will be achieved in approximately one hour under normal circumstances and conditions. Secure with the mechanical fixings and allow the adhesive sealant to cure before allowing traffic to the area.

Open Steel or Composite Grid Mesh Walkway and Stair Panels

Stainless steel or zinc plated saddle clips and domed head bolts can be located from various engineering supply chains for the correct fixtures suitable for a variety of mesh sizes.

Disclaimer

This document contains material to assist in meeting work health and safety obligations under the Work Health and Safety Act 2011.

Although every effort has been made to ensure the accuracy of this information at the time of publication, it is provided as guidance only and does not provide legal advice on meeting your obligations.