

SolarLite Path Installation Guide

1. Use a marker to accurately locate position of installation location on pathway surface.
2. Drill a circular hole, 87mm (+2mm) by 30mm (+2mm) deep with a core cutter or milling head that produces a flat-bottomed cavity with perpendicular sides. The core cutter can be of the wet diamond core type. Endeavor to ensure that the top rim of the hole is maintained.
3. If the depth of the hole exceeds 30mm, use a filler to pack the cavity to a 30mm depth and ensure the base of the hole is level.
4. After drilling, remove the centre core from the cut to expose the cavity. Make sure the bottom of the cavity is flat and trim manually if necessary.
5. Remove all debris from the cavity, either using compressed air or vacuum removal. Ensure that when using compressed air that the correct Personal Protection Equipment (PPE) is worn and that blown debris is not directed at persons or vehicles.
6. Ensure all cavities are clean, dry and free from dust and debris prior to installation, is any surface shows signs of moisture; the moisture must be removed either using a compressed air lance or a propane gas torch. Caution should be used when using the gas torch so as to not over heat and damage the surface. As overheating the bitumen will allow the polymers to burn off, causing the road surface to break up over a short period of time. This in turn could allow the stud to become dislodged from the road.
7. Prepare the SolarLite-P studs by physically locating next to the cored holes.
8. The fixative for studs is Robnor ELS628SS fixative. This is supplied in cartridges of either 200ml or 400ml
9. Apply 100ml of fixative to the bottom of cored hole, ensuring the entirety of the base of the hole is completely covered.
10. Locate SolarLite-P into hole by placing stud over the top of the hole and pushing into the void. The sacrificial fins on the outside of the base part of the SolarLite-P stud should break and compress to firmly fix the stud against the side wall of the cored hole.
11. Ensure fixative spills out of cored hole and provide full coverage between the pathway and underside stud top plate. If there is not enough fixative to offer full coverage on this bottom lip, remove the stud from hole and top up installation material.
12. Ensure concrete fixative locates between 'cog' parts on top plate.
13. Clean site after the installation and remove all debris from the pathway.
14. Installation complete.