

Installing your Solareye80 ground lights in asphalt pathways

Before commencement of work, obtain confirmation that there are no underground services within 100mm of the installation points.

In accordance with the site requirements, place advance warning safety signage indicating the start and finish of the works area and if necessary, use pedestrian barriers around the drilling operation.

Ensure that all personnel are equipped with appropriate personal protective equipment, such as, safety gloves, dust masks, helmets, protective eyewear and boots.

Begin by marking out the installation points, carefully measuring the distance/offset for each unit to ensure optimum appearance and efficiency.

Please bear in mind when deciding on the positioning of the units that solar efficiency is reduced if the units are placed in areas of permanent shade. If possible, trial Solareye80 ground lights in situ before installing.

If installing Solareye80 ground lights along the edges of a path, we recommend positioning them 300mm in from the path edge, path width permitting. This reduces potential maintenance as a result of coverage by grass cuttings, leaves and other debris.

Experience has shown that placing Solareye80 in the middle of the path optimises performance as it minimises debris accumulation and therefore cleaning requirements.

Once the site has been pre-marked, use an 80mm rotary hammer milling cutter to dry cut the hole to the required depth and remove the dust with either a blower or vacuum. Please be environmentally aware when removing any waste.

After each cut, place a Solareye80 into the hole to check for correct depth – ensuring that the rim sits on the path surface.

Cut at least 30 holes using the above method before starting the adhesive application.

Using a moisture tolerant structural two component adhesive, screw the cartridge nozzle/mixer firmly onto the cartridge, and load into the dispensing handgun.

Squeeze the handgun, to push the adhesive through the mixer and discharge a 50mm bead into the centre of the first hole – this ensures that subsequent adhesive has been thoroughly mixed.

Liberally apply adhesive, around the top of the inside of the hole, ensuring it flows down the side walls. This not only secures the Solareye80 ground light in place, but also provides a watertight seal.

Using a rubber mallet, tap the Solareye80 into place ensuring that the rim rests on the path surface.

On old or heavily textured asphalt, breakage of the surface may occur during the drilling operation. If this happens, apply more adhesive until the surface level/integrity is restored.

At an ambient temperature of 25° centigrade, the adhesive should set within 30 minutes – with a full cure within 24 hrs.

The setting time will be increased at lower temperatures, while higher temperatures will speed up the reaction.

For installations into concrete/granite and non-flexible surfaces, use an 83mm diameter drill size, and a flexible adhesive.

Installation rates will vary depending on equipment and substrate.

We have found that typically a two-person team can install 15-20 units per hour into asphalt substrates.

Installation videos are available to view on our website solar-eye.com.

Please note that all recommended installation components such as adhesive and milling cutters, as well as a complete customised cutting rig, can be purchased from us. Please enquire for a price list.

For further information, please contact one of the team on 01275 872 079.

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