

Recommended installation method/guide for pathways

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 safety gloves, dust masks, helmets, protective eyewear, and boots in accordance with H & S requirements.

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

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

If placed in areas of permanent shade, solar efficiency could be affected so, please bear this in mind when deciding on the positioning of the product or if possible, trial the solareye®80 in the actual position - before installing.

For use as edge line delineation if the pathway width permits, install at 300mm from the edge – thereby reducing potential maintenance caused by coverage of grass cutting operations or the accumulation of leaves/debris.

Experience has shown that placing the solareye®80 in the middle of the pathway width optimises performance in relation to debris accumulations and possible resultant cleaning maintenance.

Once the site has been pre-marked, use an 80mm rotary hammer miller/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 solareye®80 into the hole to check for correct depth – ensuring that the rim sits onto the surface.

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

Using a moisture tolerant structural 2 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 entire top of the side wall of the hole, ensuring it flows down the side walls of the hole. (this secures the solareye®80 into place and also provides a watertight tight seal)

Using a rubber mallet, tap the solareye®80 into place ensuring that the rim rests on the pathway 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 2-man team can install 15/20pcs per hour into asphaltic substrates.

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

N.B.

All recommended installation components, i.e. adhesive and miller/cutter can be purchased from Lakeside Films Ltd and if required, a complete customised cutting rig.



**For further information, please contact one of the
team at Lakeside Films on 0845 2938062**

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