

Twin-Wall Polycarbonate Backing Panel Kit

For Solbian Flexible Solar Panels

The kit comprises of:

1. A twin-wall polycarbonate sheet, slightly wider and 2.5" longer than the solar panel, either 6mm or 8mm thickness, with grommets in all four corners.
2. Two edging strips.
3. Two lengths of extreme-weather aluminum-backed adhesive tape.
4. Two lengths of exterior double-sided adhesive tape.

Instructions:

1. Remove edging strips and double-sided tapes from backing panel. Leave aluminum-backed adhesive strips in place. Ensure double-sided tape is located somewhere safe from accidental contact.
2. Working on a flat, solid surface, place Solbian solar panel in place on the backing panel, on the opposite side to the aluminum-backed tape, and centralize. Stick one section of the double-sided tape on to the backing panel approximately 1" down from the top edge location of the solar panel, leaving the upper-surface protective tape in place for now. Repeat for the bottom.
3. Turning both solar and backing panels on edge, install one edging strip over solar panel and backing panel on top edge, ensuring that the wider flange is on the rear of the backing panel. A plastic ruler or similar object(s) can be used to aid the process. Avoid using metal or sharp objects.
4. Repeat step 1 with the other edging strip.
5. Still with the panel on its side, use a blunt soft instrument to tap all along top edging strip to ensure a snug, even fit on both edging strips.
6. Lay some protective material on the flat surface and lay the combined panels down, with the solar panel face down.
7. Use the aluminum-backed adhesive tapes to cover the join on the rear of the backing panel between the edging strips and the backing panel surface.
8. Rotate the panels so that the solar panel is face-up, and ensure that the solar panel is positioned centrally on the backing panel.
9. Carefully lift top and bottom edges of solar panel and remove protective tape from double-sided tape. Carefully press solar panel down on to double-sided tape to ensure a firm bond.



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