

## Part No. 1019 ROOF OR RACK HOLD-DOWN KIT

### Installation Instructions for:

EZ Heat EZ Heat DELUXE EZ HEAT BASIC

If you are mounting your solar system on a sloping roof or rack, follow these steps to fasten it to the surface:

- a. After sweeping the roof surface to remove loose particles, unroll the solar system and locate it with the inlet connection as close to the roof eave as possible.
- b. Attach the absorber sections to the roof with Solarbond mastic adhesive. The 29 oz. cartridges fit a quart size caulking gun.
- c. Starting with the top absorber section, turn it up and apply a bead of mastic, one foot from the header pipe and 18 inches apart thereafter. Turn over the mat section with the mastic against the roof and firmly press the absorber into the mastic by pressing down hard against the webs between the tubes.

**Important:** Keep all beads in line down the roof to allow rainwater to run under the collector surface so the mastic does not form a dam.

If the roof is steep and the absorber sections slide down, they may be held in place until the mastic sets, by using a staple gun. Drive 5/6" staples every 3 to 4 feet. Be careful not to puncture the tubes. Hold the nose of the staple gun against the side of the tube, pressing down against the web between the tubes. The staples do not penetrate the shingles and will rust and disappear in a few weeks.

Use two of the Header Hold-Down Clamps to fasten the header pipes to the roof at each end of the solar system. Use 1-inch long, 1/4-inch stainless steel or plated lag bolts to fasten the clamp assembly to the roof. Drill with a 3/16" pilot hole. If the hole penetrates the roof, fill it and the space under the clamp with a high quality silicone sealer to prevent roof leaks.

### Harter Industries, Inc.

PO Box 502  
Holmdel, NJ 07733

101 Church Street  
Matawan, NJ 07747