



SkateStoppers is a trademark of Intelliccept

FA Installation

(Product with Smart Pins)

The following are step-by-step instructions for the installation of SkateStoppers skate deterrents. It is assumed that you have already removed the residual wax and plastic that is typically left behind by skate abuse (use a hand grinder or heated, high pressure water).

For best results and easiest application, we recommend that you use the following tools and supplies:

- 1) SkateStoppers and anchors
- 2) Adhesive, Adhesive Applicator and Mixing Nozzles
- 3) Hammer drill, 7/16" drill bit, hole brush, and aspirator or vacuum
- 4) Cutting Knife
- 5) Drill Gun and Fastener Drive Bit
- 6) Isopropyl Alcohol
- 7) No Skating Signs
- 8) Protective Gloves, Dust Mask, and Safety Glasses

Step One - Product Layout

SkateStoppers are designed in a variety of colors to complement existing architecture. It is important to place the product at equidistant increments and symmetrical to the applied surface so that the goal of deterring abuse can be achieved without creating an eyesore.

The surfaces on which the product is to be applied should be measured. Make a mark on the working surface approximately 18" from both ends- these will serve as your end pieces. Next, measure the distance between the end pieces and divide that distance into equal increments (approximately 36"). Mark the working surface at the appropriate placement positions. Depending on the magnitude of the abuse at your site, you may choose to increase or decrease the recommended distance. For chronically abused properties, consider decreasing the space between parts.

Loosely position product at the marked locations and examine the working surface from a distance. If the parts are laid symmetrical and the spacing is deemed adequate, proceed to the next step. Otherwise, repeat this process until a satisfactory layout is achieved.

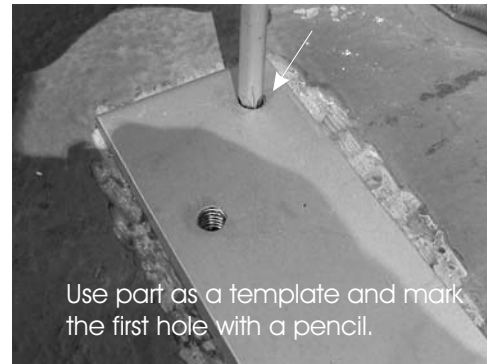
WARNING: Do not apply SkateStoppers to stairways or steps. Shortening the step platform may create a trip hazard to pedestrian traffic that could result in serious injury or death.



Step Two- Preparation

Assuming that the site has already been cleaned, has dried, and that the layout for the product has been decided, you will need to locate and mark the first hole.)

First, fit the part snugly to the edge. Using a pencil, mark the cement through the hole on the part. **DO NOT MARK THE SECOND HOLE AT THIS TIME.** Repeat this marking process until all of the horizontal holes have been marked.



Chamfered Edges: If you are applying the FA135 product to a chamfered edge, the first hole to be marked is the hole on the chamfer.

Step Three - Drill First Hole

Once the first holes have been marked, you are ready to begin drilling. Using a hammer drill and a 3/8" drill bit (7/16" for chamfer), drill the marked holes to 2" depth.



Step Four - Drilling Second Hole



Set one screw partially through the bracket. Align the bracket and pin on the first drilled hole. Mark the second hole, and drill the hole.

Chamfered Edge (FA135): With the anchor and SkateStopper loosely set on the chamfer surface, mark the hole on the horizontal surface, and drill the hole (you may choose to use the part as a guide to align the horizontal surface hole).

NOTE: DO NOT DRILL UNTIL YOU HAVE CHECKED THAT THE PART IS STRAIGHT WITH RESPECT TO THE EDGE OF THE TREATED SURFACE.

After the second hole has been drilled, check that both fasteners can be inserted at the same time. If you observe that the either pin is difficult to insert and that the part is pulled taut, widen the hole slightly with the drill.

Step Five - Bonding Preparation

Using a hand grinder (with a masonry attachment) clean area to which the bracket will be bonded (do not use a wire brush - as this will create a bigger mess). Next, use the enclosed nylon brush to brush the interior walls of the holes. Remove the dust from the holes (using a vacuum or aspirator). Wipe the bonding area free of dust with a clean rag and Isopropyl alcohol (rubbing alcohol). **NOTE: FAILURE TO CLEAN THE HOLES AND SURFACE WILL RESULT IN INFERIOR BONDING.**



Step Six - Applying Adhesive

The adhesives that we offer have characteristics that make application faster and easier than other products. The non sag properties allow the material to be used on vertical surfaces without runs. Adhesives serve as a secondary bond against vandal attempts to remove parts and they serve to fill any gaps that may be present between the part and the treated surface (eliminating pry points).

ADH50ML or ADH400ML - These impact resistant epoxies have a work life of 10-12 minutes. New material should be flushed through the mix nozzle every 5-6 minutes to prevent the mix nozzle from clogging. When using this material, lay out all parts and anchors adjacent to their respective mounting locations prior to commencing with application of the adhesive (for optimal results, start the screws through the product until the threads are flush to the bottom of the part).

This material sets in approximately 10 minutes (depending on temperature) and full cure is achieved in 4 hours. Trimming of excess material (Step 7) should be completed within one hour after application. Delaying trimming for any time longer than one hour may result in great difficulty with cutting through the adhesive.

DURING USE, ADHESIVE SHOULD BE STORED AT TEMPERATURE RANGE BETWEEN 60 DEGREES AND 80 DEGREES FAHRENHEIT.

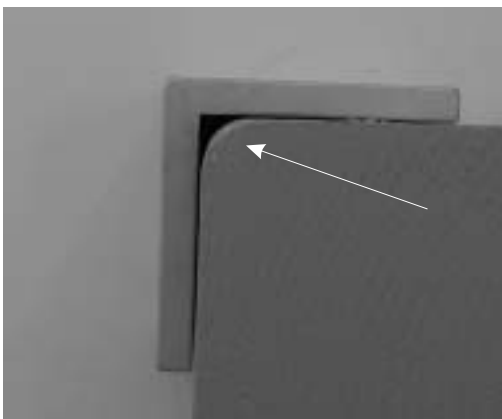
DO NOT STORE ADHESIVE PACKAGES IN THE SUN. HEATING MATERIAL WILL ACCELERATE CURE RATES, MAKING APPLICATION MORE DIFFICULT.

Follow the instructions for installing the adhesive and mixing nozzle into the applicator gun. The first 1/2" of material from the nozzle may not be properly mixed and should be discarded (Discard material until the color is uniform gray).

When you are ready, place the end of the nozzle in the drilled hole and fill it $\frac{3}{4}$ full. Next, apply adhesive to the underside of the part. Apply a 1/4" bead from one end to the other in a spiral pattern. If you observed a gap between the edge and the inside corner of the part during fitting of the parts, lay a bead of adhesive on the inside corner of the part sufficient to fill the gap.

Note: If adhesive extrudes from the part when it is applied, do not wipe or smear (this will be trimmed later under Step 8).

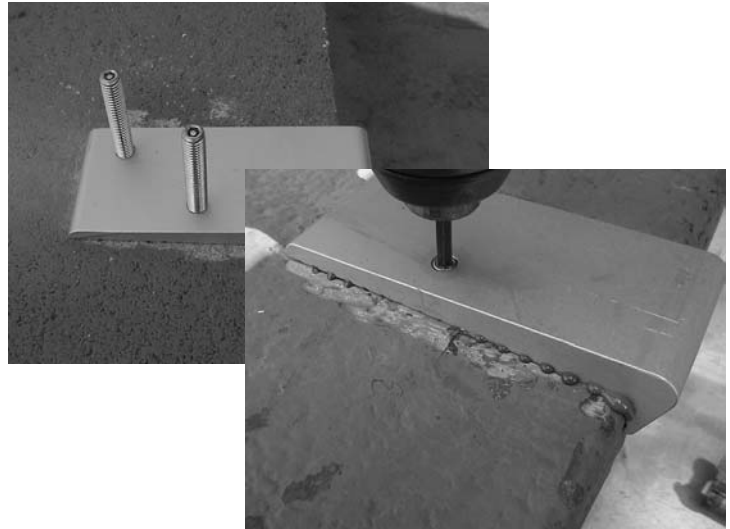
Storage: If there is adhesive remaining in the tube and you are finished, leave the mixing nozzle on. The mixing nozzle will act as a cap until the next time the adhesive is used.



If you observe a gap between the part and the edge, use adhesive to fill gap.

Step Seven - Applying the SkateStoppers

Immediately after applying the adhesive, take the part, holding the adhesive cavity up, and place it on the marked position of the surface. Screw the anchors into their respective holes until the screw is set flush. NOTE: NEVER LEAVE A SCREW HEAD ABOVE THE PART SURFACE. IF THE SCREW DOES NOT SET FLUSH, REMOVE PART AND RE-DRILL A DEEPER HOLE.



Step Eight - Trimming and Clean-up

The best time to perform the trimming is when the adhesive is soft. Run knife blade flush to part all the way to the concrete/substrate. This will create a seam on which the material can be later pulled.

Using a putty knife, the excess adhesive should be pulled when it has cured to the point that it peels cleanly from the substrate (refer to section 5 for set and cure times).



Step Nine - No Skating Signs

If you haven't already done so, post "No Skating" signs on your property. If you are installing SkateStoppers in pedestrian traffic areas, your signs should include language warning pedestrians that SkateStoppers are installed. For specific recommendations on the language that your sign should contain, seek the advice of your Risk Management Department or legal counsel.