



# FA Installation

SkateStoppers is a trademark of Intelliccept

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 (high pressure, heated water and/or hand grinder work best)..

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

- 1) SkateStoppers and anchors
- 2) Adhesive
- 3) Adhesive Applicator and Mixing Nozzles
- 4) Hammer drill and "Hilti" brand metric #6 drill bit (PN TE-CX 6/17) ONLY
- 5) Cutting Knife
- 6) Hammer and Nail Set/Punch (min 3/8" head on punch)
- 7) Isopropyl Alcohol
- 8) No Skating Signs
- 9) 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.

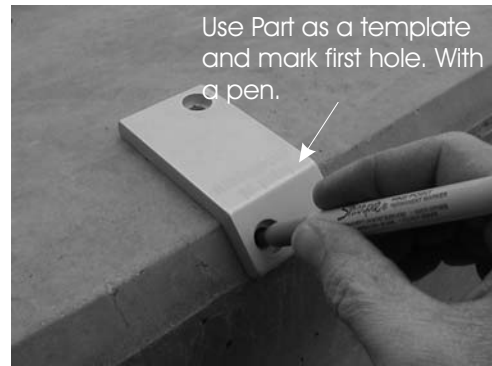
**WARNING: Do not apply SkateStoppers to stairways or steps. Shortening the step platform may create a trip hazard to pedestrian traffic that could result in serious injury or death.**



## 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. )

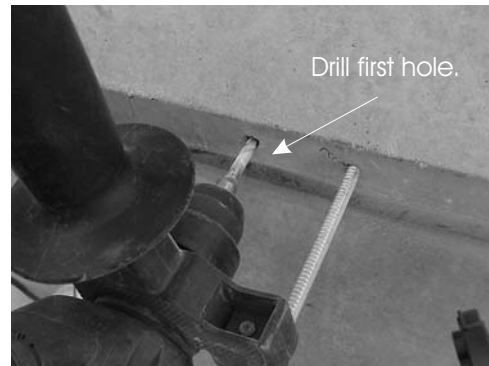
First, fit the part snugly to the edge. Using a pen, mark the cement through the hole on the part. **DO NOT MARK THE SECOND HOLE AT THIS TIME.** Repeat this marking process until all of the horizontal holes have been marked.



**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 metric #6 drill bit, drill the marked holes to a depth that is at least 1/4" deeper than the length of the anchor being installed. Remove the cement dust from the hole ( using a vacuum or aspirator). Push an anchor through one end of the part. Position the part such that the anchor starts into the hole. Repeat this step for all of the parts. **DO NOT NAIL THE ANCHOR IN AT THIS TIME.**



## Step Four - Drilling Second Hole



With pin set loosely in the first hole, mark and drill the second hole. Check for fit of the second pin.

With the anchor and SkateStopper loosely set on the first drilled hole, mark the second hole, and drill the hole (you may choose to use the part as a guide to align the second 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 pins 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.

After determining that the holes are properly aligned, blow out the cement dust (using an aspirator or vacuum). Wipe the area that is to be treated with alcohol.

# Step Five - 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 must be flushed through the mix nozzle every 5-6 minutes to prevent the mix nozzle from clogging. If you are using this material, lay out all parts and anchors adjacent to their respective mounting locations prior to commencing with application of adhesive. Apply adhesive to one piece at a time and anchor the piece immediately.

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

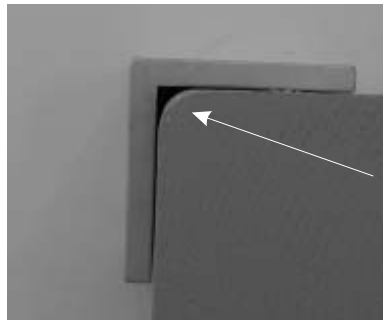
DURING USE, ADHESIVE SHOULD BE STORED AT TEMPERATURE RANGE BETWEEN 60 DEGREES AND 80 DEGREES FAHRENHEIT.

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 on the part and squeeze the applicator trigger. Apply a 1/4" bead from one end to the other in a continuous "S" 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 7).



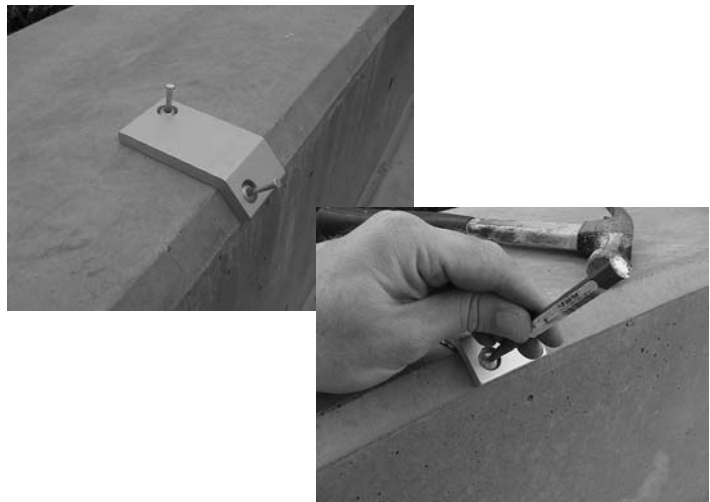
If you observe a gap between the part and the edge, use adhesive to fill gap.

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. .

## Step Six - 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. Press the anchors through both ends of the part, into their respective holes. Hammer the head of the anchor until the nail is just above the surface of the part. Use a nail set to set the nail head below the surface of the part (hammering should be completed with a light, controlled motion in order to avoid striking the adjacent cement).

NOTE: DO NOT ATTEMPT TO DRIVE THE FASTENER NAIL WITHOUT A NAIL SET - DAMAGE TO THE PART COATING MAY OCCUR.



## Step Seven - Trimming and Clean-up

The best time to perform the trimming is when the adhesive is soft but not tacky. Excess adhesive should be trimmed from the hinges. You should be able to cut through it, leaving a clean edge (refer to section 5 for set and cure times).



## Step Eight - 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.