



SkateStoppers is a trademark of Intelliccept

# Installation

The following are step-by-step instructions for the installation of SkateStoppers. It is assumed that you have already removed the residual wax and plastic that is typically left behind by skate abuse.

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 1/4" drill bit
- 5) Cutting Knife
- 6) Mineral Spirits and Rags
- 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

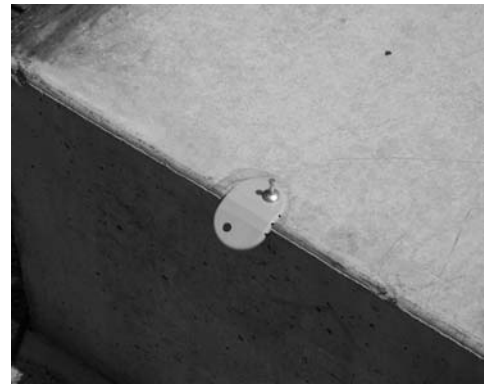
Assuming that the site has already been cleaned, has dried, and that the layout for the product has been decided, you will need to locate and mark the holes on the horizontal (flat) surface. First, center the part on the radius of the curved surface such that the two end tabs lay flat. If either end is on a radius, there will be an unwanted gap between the part and the treated surface. Using a pen, mark the cement through the hole on the part (flat surface only). **DO NOT MARK THE VERTICAL HOLE AT THIS TIME.** Repeat this marking process until all of the horizontal holes have been marked.



**Chamfered Edges:** If you are applying the product to a chamfered edge, the first hole to be marked is the hole on the chamfer. **DO NOT ATTEMPT TO STRETCH THE PART ACROSS THE CHAMFER.** [See Chamfer Edge Supplement.](#)

## Step Three - Drill Horizontal Surface Hole

Once the horizontal surface holes have been marked, you are ready to begin drilling. Using a hammer drill and a 1/4" drill bit, drill the marked holes to approximately 1-1/4"-1-1/2" depth. Remove the cement dust from the hole (using a vacuum or aspirator). Push an anchor through one end of the part. Position the part on the treated surface such that the pin falls into the hole. Be sure that the pin drops flush to the top of the SkateStopper. Repeat this step for all of the parts.



## Step Four - Drilling Vertical Surface Holes



With the anchor and SkateStopper loosely set on the horizontal surface, bend the part over the radius. Mark the hole on the vertical surface and drill (you may choose to use the part as a guide to align the vertical surface hole).

**Chamfered Edge:** With the anchor and SkateStopper loosely set on the chamfer surface, bend the part over the top of the chamfer edge. Mark the hole on the horizontal surface and drill (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.

**HINT:** The hole in the part is 5/16" (1/16" larger than the drilled hole). Looking at the part, the drilled hole should be slightly higher than the center point in the part. If the hole is drilled lower than the center point, the anchor will cause the hinges in the part to stretch and possibly break when it is hammered down. When the holes are properly drilled, there will be approximately 1/16" of play with both anchors loosely set.



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. As a standard, 50ML adhesive is supplied with small kits and 400ML adhesive is supplied with large kits.

ADH50ML and ADH400ML - These impact resistant epoxies have a work life of 10 minutes. Material can set in the mixing nozzle for approximately 6 minutes before it will start to harden. This material sets in approximately 12 minutes (depending on temperature) and full cure is achieved in 4 hours. When 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. Trimming of excess material (Step 7) should be completed within one hour of application. Delaying trimming for any time longer than 1 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.

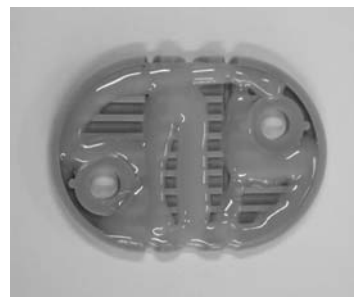
DO NOT STORE ADHESIVE PACKAGES IN THE SUN. HEATED MATERIAL WILL ACCELERATE SET AND CURE TIMES, MAKING APPLICATION MORE DIFFICULT.

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).

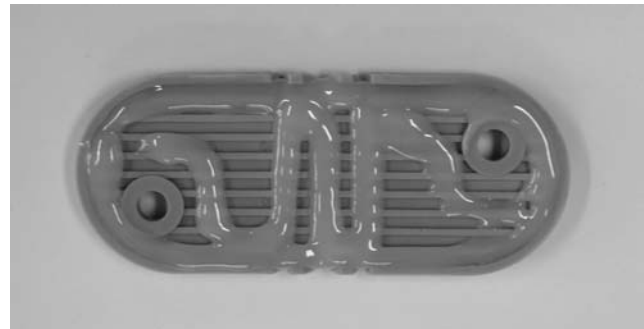
When you are ready, place the end of the nozzle in the part and squeeze the applicator trigger. Start applying adhesive in the outer most ring of the SkateStopper (the bead of adhesive should be higher than the edge of the cavity). Once the outer ring is filled, lay three beads in the hinges. For the SuperStopper, lay an additional bead across the part, diagonally from the hinge to the radius.

Note: If adhesive does not extrude from the center of the hinges when the part is installed under Step 6, you have not used enough. Failure to seal the side "V" gaps at the hinges with adhesive may afford pry points to vandals.

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.

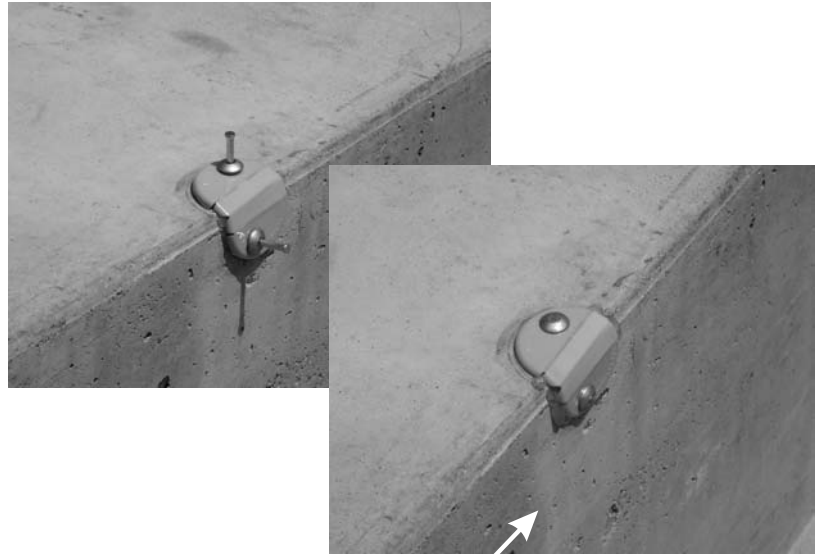


Skatestopper



## Step Six - Applying the SkateStopper

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. The anchors must fit the holes without stretching or distorting the part. Hammer the heads of the anchors until the nail is flush with the anchor head (hammering should be completed with a light, controlled motion in order to avoid striking the adjacent cement).



**Important:** If adhesive does not extrude from the hinged portion of the part, there is not enough adhesive being applied. The hinged bodies must be sealed to prevent prying.

## 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.