

BIRD SPIKES INSTRUCTION GUIDE



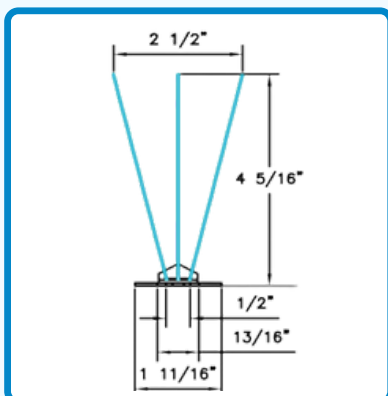
Product Description

Stainless steel bird spikes install easily by being glued, screwed in, or tied-down. Once they are installed they require zero maintenance and will start blocking birds immediately. WarBird's stainless steel bird spikes are durable and will not corrode or decay over time.

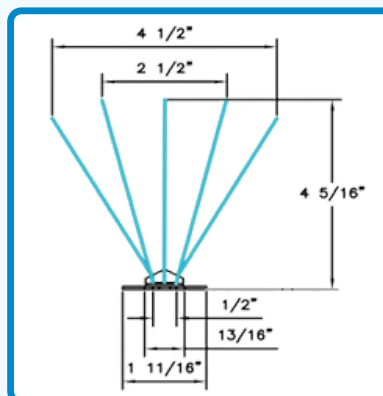
Stainless steel spikes are a base mold of transparent polycarbonate with stainless steel projections protruding up and out (angled) to both sides. There are three variations:

- Regular alternates wide stainless steel projections (4.5" spread) with narrow stainless steel projections (2.5" spread).
- Narrow spikes has only the narrower stainless steel projections (2.5" spread) in order to cover ledges less than 2" wide.
- Extra-Wide alternates wide stainless steel projections (4.5" spread) with the extra-wide (7.5" spread) AND narrower (2.5" spread) stainless steel projections.

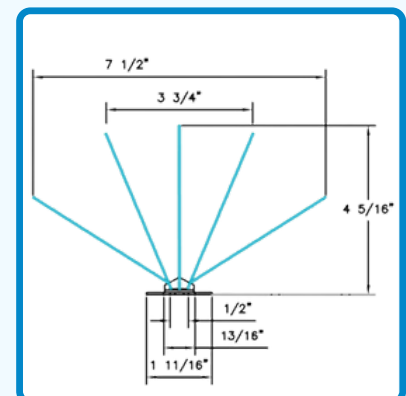
Narrow



Regular



Extra-Wide



Materials Needed

There are a number of ways that bird spikes can be attached to substrates such as metal, wood, canvas, brick, glass, or masonry. With one of the following options, you can firmly attach the spikes to the necessary surface. While all of these options are effective, one may work better than another for a specific install. Use your best judgment to determine which one is right for you.

- **Spikes Special Adhesive** - for non-penetrating installation of bird spikes, our special adhesive can be used with any caulking gun for easy application. Adhesive can be found on our website. One tube will adhere approximately 20 linear feet of spikes.
- **Screws** - screws can be used to attach the spikes. Ensure the screws have a shaft of at least 4" for a secure installation.
- **Nails** - if you use nails, ensure they are 1/8", and install with a nail set. A nail gun exerts too high pressure, and may crack the base of the spikes.
- **Cable Ties** - suggested for use on cabling, pipes or other thin surfaces that require non penetrating application. Ensure cable ties are securely tightened when using this method.

Before Installation

- Inspect the property and determine that the species and pressure of birds matches the level of protection bird spikes can provide. (If there is nesting or a smaller bird species, bird spikes will NOT be effective)
- Determine what is attracting the birds to the property. Food, water, or shelter that can be removed should be addressed before using deterrents.

Before Installation (cont.)

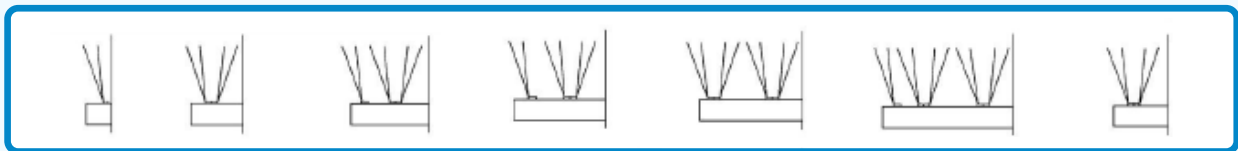
- Check for any areas such as ledges, eaves, or overhangs that birds may relocate to if spikes are not installed there as well. Consider installing spikes or other deterrents there as well for full effectiveness.
- Clean the area that bird spikes are to be installed on to ensure a long lifespan of the product. Ensure there are no overhanging branches that birds can drop debris onto spikes from.



WARNING: While bird spikes are designed to be safe towards birds, they are still sharp metal, and protective gloves should be worn while installing or handling.

Installation

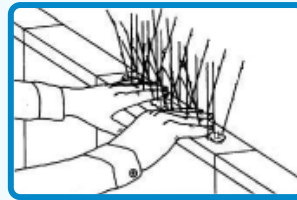
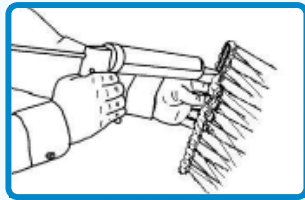
- Measure the width of the ledge where the spikes are to be attached. For every 5", there should be one row of stainless steel spikes. If you have a remainder of space, use the narrow stainless steel spikes. For widths over 7", you can also use the Extra Wide spikes, rather than multiple rows of the Regular spikes. See diagram for correctly spaced installation on various surface widths.



- Calculate the quantity of linear feet of bird spikes you will need by measuring the length of the surfaces to be covered. If you have also calculated more than one row of spikes in previous step, multiply these numbers together to get your total linear feet of spikes.

Installation (cont.)

- Using your material of choice, attach the spikes to the desired surface. If you are using the spikes special adhesive, ensure that you press down firmly on the spikes, until a bead of the adhesive appears through the holes in the base.



- Bird spikes can be applied to virtually any level surface to prevent bird nesting or roosting. To ensure a long lifespan of the product, maintaining the area to ensure no debris (leaves, plastic bags, etc) is allowed to remain on the spikes. Routine cleaning and full coverage of potential roosting areas will ensure you remain free of pest birds for years to come.

Warranty

WarBird Mfg. stainless spikes are manufactured to the highest quality standards and are guaranteed to be free from defect for 10 years under normal use. Proof of purchase is required. Warranty covers cost of replacement spikes product only. Installation of material is not covered under warranty.

WarBird Mfg's warranty covers only those defects which arise as a result of normal use of the product, and do not apply to any product: (i) which has not been installed or maintained in accordance with any installation, operating or handling instructions provided by WarBird Mfg, (ii) which has been altered or damaged by accident; (iii) which has been subjected to unusual physical stress, misuse, abuse, or negligence or (iv) which has been used other than in accordance with the product handling instructions.

Your satisfaction is important to us. Please contact Customer Service to answer any questions, for help in resolving any issues or problems, and prior to returning any item for any reason.