

Bird-X  
SPECIFICATIONS  
Stainless SPIKES® Needle Strips

(Go to website I gave you  
IN my EMAIL Dated 6/13/17)  
To view Pictures of SPIKES

|  |                    |
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| Approved AsNoted                             |                    |
| BY:  | Patti Coburn, P.E. |
| DATE:  | 06/28/2017         |
| RESUBMIT:                                    | No                 |
| RECEIVED:                                    | June 21, 2017      |
| CKD BY:                                      | Matt Bogaczyk      |
| STATE OF VERMONT<br>AGENCY OF TRANSPORTATION |                    |

**MANUFACTURER**

Bird-X, Inc. manufactures Stainless SPIKES Needle Strips using polycarbonate with UV inhibitors and ST 302 Hard Surgical Grade Stainless; resistant to virtually all weather and harsh environments.

**PRODUCT DESCRIPTION**

Needle strips are a simple, humane, maintenance-free, long-term solution to pest bird problems, and have been used on buildings and structures worldwide to eliminate roosting and nesting surfaces and landing strips. Birds avoid alighting on the spikes as humans avoid walking on a bed of nails – the spikes are not lethal – just extremely uncomfortable.

Stainless SPIKES have a base mold of transparent polycarbonate, with two types of spiked projections: stainless steel projections that protrude up and out (angled) to both sides, and a central row of polycarbonate projections that protrude straight up. There are three variations:

**Regular:** Alternates *wide* stainless steel projections (4.5" spread) with *narrow* stainless steel projections (1.75" spread) and a central row of *straight-up* polycarbonate projections. Sixty (60) spikes per 2-foot section.

**Slim:** Has only the *narrow* stainless steel projections (1.75" spread) in order to cover ledges less than 2" wide, plus a central row of *straight-up* polycarbonate projections. Thirty-six (36) spikes per 2-foot-section

**Extra-Wide:** Alternates *wide* stainless steel projections (4.5" spread) with *extra-wide* (7" spread) AND *narrow* (1.75" spread) stainless steel projections, plus a central row of *straight-up* polycarbonate projections. Sixty (60) spikes per 2-foot section.

**Extra-Tall:** Alternates *wide* stainless steel projections (4.5" spread), which measure 5.75" tall, with an especially wide (8.5" spread) row of spikes, plus a central row of straight-up polycarbonate projections. Sixty (60) spikes per 2-foot section.

Stainless SPIKES Needle Strips can be installed using Bird-X Spikes Special Adhesive, steel screws, wood screws, or nails – depending on the surface.

Stainless SPIKES Needle Strips are the industry standard on public and private RFPs. With a flexible base, installation is easy – even on curved surfaces. Stainless SPIKES won't corrode or decay. If installed properly, they are long-lasting and require little-to-no maintenance.

**SUPPORT**

Bird-X has the most knowledgeable and experienced sales consultants in the industry. From initial bidding, custom consultations, product recommendations, and installer referrals – Bird-X is prepared to assist with project evaluations. Call 1.800.662.5021 or email [solutions@bird-x.com](mailto:solutions@bird-x.com) for more information.

**A. GENERAL**

**1. SUMMARY**

- a. Install Stainless SPIKES Needle Strips to prevent pest birds from landing, perching or roosting wherever the spikes are applied. They make surfaces uncomfortable, uninviting and intimidating to pest birds. Stainless SPIKES are safe, non-toxic, non-harmful, humane and eco-friendly.

**2. QUALITY ASSURANCE**

- a. Obtain all technical information, consultative services, products and accessories from one manufacturer.