

Nixalite® E-Spike Economy Bird Spike

Includes specifications for: E-Spike Models 6405 & 3405

Nixalite manufactures two different E-Spike Economy Models: **Model 6405** and **Model 3405**. The following specification outline is presented in a modular format making it simple to include or exclude any combination of the E-Spike Economy Bird Spike systems as needed for each project.

List E-Spike Economy Bird Spike 3-part specifications in the following locations;

Master Format 1995 – 10290 – Bird & Pest Control

Master Format 2004 – 10 81 00 - Pest Control Devices

Master Format 2004 – 10 81 13 – Bird Control Devices

PART 1 - GENERAL

1.1 - SYSTEM DESCRIPTION:

- A. **E-Spike Economy Bird Spike:** an economy bird spike designed to discourage pigeons, seagulls and larger birds. For pigeons and seagulls on all types of surfaces. Do not use to control small birds or for the prevention of heavy infestations of any bird.
- B. **E-Spike Fastening:** fastens with optional mounting hardware, glue clips and adhesive or adhesive
- C. **Surface Cleaning System:** surface disinfectants and deodorizers to neutralize potentially hazardous bird or animal waste and prepare surface for installation.

1.2 - QUALITY ASSURANCE

- A. Installer must obtain, review and understand E-Spike estimating, spacing and installation guidelines.
- B. Installer must be completely familiar with the proper installation procedures for the E-Spike Models specified.
- C. Installer must be completely familiar with the specified fastening procedures.
- D. To be made in the U.S.A.

1.3 - SUBMITTALS

- A. Nixalite E-Spike Economy Bird Spike literature including: E-Spike Installation Guide, completed estimate worksheets and installation instructions for the specified E-Spike Model.
- B. Sample of specified E-Spike Model - not less than 2" (5.1cm) in length.
- C. *(If ColorCoat finish)* Sample of specified color.
- D. Sample of specified fastening hardware.
- E. Nixalite E-Spike Model 6405 installation guidelines from manufacturer *(if specified)*.
- F. Nixalite E-Spike Model 3405 installation guidelines from manufacturer *(if specified)*.

1.4 – STORAGE & HANDLING

- A. Provide storage to keep E-Spike shipping boxes dry, clean and undamaged. Do not stack or place other packaging on the E-Spike shipping boxes.
- B. Keep E-Spike Economy Bird Spike in original packaging until needed for installation.

PART 2 - PRODUCTS

2.1 – ACCEPTABLE MANUFACTURER

- A. Nixalite of America Inc
1025 16th Avenue, PO Box 727, Dept. NI, East Moline, Illinois 61244; U.S.A.
Ph: 800.624.1189 or 309.755.8771 - Fax: 800.624.1196 or 309.755.0077
E-mail: birdcontrol@nixalite.com or planning@nixalite.com
Web: www.nixalite.com.
- B. ABC Advanced Bird Control – A division of Nixalite of America Inc.
PO Box 727, Dept. NI, East Moline, Illinois 61244, U.S.A.
Ph: 888.212.8682 or 309.755.4708 – Fax: 309.755.1865
E-mail: info@abcbirdcontrol.com
Web: www.abcbirdcontrol.com.

2.2 – E-SPIKE ECONOMY BIRD SPIKE

- A. **ALL E-Spike Bird Spike Models:** are all stainless steel wire and strip barriers.
E-Spike Wires: High grade stainless steel, 0.041” (1mm) diameter, full-hard spring temper, 250,000 lbs. / in. (44,645 kg/cm) tensile strength.
E-Spike Base Strip: High grade stainless steel, 0.25” wide x 0.02” thick (6.3mm x 0.5mm), full anneal for flexibility, easy strip cutting and surface shape memory.
- B. **Strip Lengths:** All E-Spike Models are available in 24” (61.0cm) and 48” (122.0cm) lengths.
- C. **E-Spike Model 6405:** 4” high (10.2cm), 6” wide (15.2cm), NO LESS THAN 48 wire points per foot. Full 180-degree wire coverage. For pigeons and seagulls on all types of surfaces. Do not use to control small birds or for the prevention of heavy infestations of any bird.
- D. **E-Spike Model 3405:** 4” high (10.2cm), 3” wide (7.6 cm), NO LESS THAN 24 wire points per foot, 90 degree wire coverage. For single exposed surfaces less than 3” in depth (7.6cm). For pigeons and seagulls on all types of surfaces. Do not use to control small birds or for the prevention of heavy infestations of any bird.
- E. **E-Spike Soft Tip Option:** Available for all E-Spike Models. Same as standard E-Spike Models with the exception of flat tipped wires. Use where human interaction with installation is planned or a frequent necessity.
- F. **Finish:** Natural stainless steel finish or manufacturers ColorCoat finish.
- G. **ColorCoat:** standard colors are black, white, gray, tan, brown, bronze, green and red. Choose standard color that best suits application. Custom colors available. For custom color: installer must supply manufacturer with color sample not less than 2” (5.1 cm) square.

2.3 – E-SPIKE FASTENING

- A. E-Spike can be fastened with the optional (sold separately) mechanical mounting hardware, installation accessories or adhesive. Use fastening system recommended by manufacturer.

2.4 – SURFACE DISINFECTANTS

- A. **Steri-Fab:** surface disinfectant and bactericide to neutralize bird waste. Do not use with Microcide-SQ on the same surface.
- B. **Microcide-SQ:** surface cleaner and deodorizer to sanitize surface and remove any residual odor from bird inhabitation. Do not use with Steri-Fab on the same surface.
- C. **Microsan:** anti-bacterial soap and lotion to prevent disease transmittal after working around surfaces contaminated with bird & animal wastes. Use to compliment personal protection equipment standards (PPE).
- D. **All Marine Bird Dropping Remover:** a non-toxic, biodegradable bird dropping remover that is safe and effective for use in both marine and land applications. Instantly dissolves bird droppings both wet and dry, in or out of the marine environment.
- E. **Stain & Odor Remover:** a non-toxic, biodegradable stain and odor remover that uses naturally occurring, active enzymes to remove the worst types of odors and stains. Safe and effective for both wet and dry environments.

PART 3 - EXECUTION

3.1 - INSPECTION

- A. Visually inspect all installation surfaces. Make sure all surfaces are clean, dry and free from debris or other conditions that could impede the workflow of this section.
- B. Notify architect of detrimental conditions. Do not proceed until these conditions have been corrected.

3.2 - PREPARATION

- A. **Field Measurements:** Verify dimensions of each installation surface. Use E-Spike Estimating, Spacing and Installation Guides to make sure you have sufficient quantity of E-Spike to properly protect the specified surfaces.
- B. Make sure all installation surface finishing requirements have been accomplished before installing E-Spike Economy Bird Spike Models. E-Spike to be last item installed on specified surfaces. **DO NOT** apply any surface coating or treatment (paint, sealer, etc.) over the installed E-Spike Economy Bird Spike Models.
- C. Remove or relocate all plants or foliage that overhangs the installation surfaces.

3.3 – SURFACE CLEANING

- A. All surfaces to be clean, dry and free of obstructions before bird control is installed.
- B. **IF BIRD WASTE IS PRESENT:**
Treat, neutralize and safely remove all bird waste from installation surfaces. Installer must follow all city, state and federal regulations regarding the proper removal and disposal of bird droppings.

- C. Use Nixalite's surface cleaning products to neutralize any bird droppings, nests and related waste materials that may be present. Allow all surfaces to air dry completely, and then reapply to sanitize and deodorize the surface before proceeding. Strictly follow treatment instructions provided with Nixalite's surface cleaning products.
- D. Use Nixalite anti-bacterial personal protection products to help prevent disease transmittal when working around surfaces contaminated with bird droppings.

3.4 - INSTALLATION

- A. Install specified E-Spike Economy Bird Spike Models in strict accordance with manufacturer's strip spacing and installation guidelines. Protect all surfaces.
- B. Protect the entire surface, not just the outside edges. NO GAPS allowed in the E-Spike coverage. Cut E-Spike Strips where necessary to fit the surface properly.
- C. Wires of E-Spike Economy Bird Spike Models to be flush with the outside edge of surface. E-Spike base strips to extend over any open end of surface by at least 1/2" (1.2cm).
- D. Fasten E-Spike Economy Bird Spike Models to the surface with the optional mounting hardware or adhesive recommended by the manufacturer.
- E. **E-Spike Model 6405:** For pigeons and seagulls on all types of surfaces. Do not use to control small birds or for the prevention of heavy infestations of any bird.
- F. **E-Spike Model 3405:** For pigeons and seagulls on single exposed surfaces less than 3" in depth (7.6cm). Do not use to control small birds or for the prevention of heavy infestations of any bird.

3.5 – ADJUSTMENTS / CLEANING

- A. Remove debris and waste materials from project site.
- B. Inspect finished installation. Make any adjustments needed to conform to the E-Spike spacing and installation guidelines.

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