

# FliteLine® Post & Wire Bird Deterrent

## Includes specifications for: FliteLine system components

Nixalite of America Inc's FliteLine Post & Wire Bird Deterrent System is a spring-tensioned, suspended cable system designed to deter pigeons and seagulls from landing on all types of surfaces. Not intended for larger or smaller bird species or for moderate to heavy infestations of any bird. Effective installations help eliminate the high costs of cleaning and maintenance caused by pest birds and their unsanitary habits, while also protecting people from the health risks associated with bird waste.

FliteLine is assembled from individual components that when put together properly, create a discreet and humane deterrent that can be installed on all types of surface materials and shapes.

List Nixalite's FliteLine Post & Wire Deterrent specifications in the following locations;

**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. FliteLine Post & Wire Bird Deterrent System:** individual components that when assembled properly create a discreet pigeon and seagull surface deterrent that can be installed on all types of surface materials and shapes.
- B. FliteLine Posts:** Nixalite offers several FliteLine post designs. All posts are stainless steel and provide either single or double FliteLine Cable capacities. FliteLine posts both support and suspend FliteLine Cable above the installation surface.
- C. FliteLine Cable:** Stainless steel aircraft quality 1x7 strand cable with a UV poly jacket. Fasten to posts with the FliteLine springs and ferrules. UV poly jacket makes loop connections simple.
- D. FliteLine Springs:** Stainless steel tension springs that fasten one end of FliteLine cable run to a FliteLine post. The opposite end of the run is fastened with a loop connection using FliteLine Ferrules.
- E. FliteLine Ferrules:** A plated, single-barrel ferrule that crushes down on the FliteLine cable. Used in loop connections.
- F. FliteLine Hardware and Accessories:** Nixalite offers a variety of FliteLine hardware and accessories to fasten the FliteLine to all types of surface material. Optional FliteLine tools and accessories are available to make the installation process more efficient.
- G. Surface Cleaning System:** surface disinfectants and deodorizers to neutralize potentially hazardous bird and/or animal wastes and properly prepare the surface for installation.

### 1.2 - QUALITY ASSURANCE

- A.** Obtain all of the manufacturers planning guides, estimating worksheets and installation instructions for the FliteLine Post & Wire Bird Deterrent system. Installer to be completely familiar with the manufacturer supplied installation procedures.
- B.** Installer must obtain and record accurate and complete dimensions for each surface specified for FliteLine Post & Wire Bird Deterrent installation. Surface dimensions are what drive the FliteLine Post & Wire installation quantities.

### 1.3 - SUBMITTALS

- A. FliteLine Post & Wire literature including: FliteLine product brochure and Installation Guidelines.

## 1.4 – STORAGE & HANDLING

- A. Provide storage to keep all FliteLine Post & Wire Bird Deterrent system shipping boxes dry, clean and undamaged. Do not stack or place other packaging or objects on the FliteLine shipping boxes.
- B. Keep the FliteLine Post & Wire Bird Deterrent system in original packaging until needed for installation.

# PART 2 - PRODUCTS

## 2.1 – ACCEPTABLE MANUFACTURER

- A. **Nixalite® of America Inc**  
1025 16th Avenue, East Moline, Illinois 61244; U.S.A.  
P: 309.755.8771 - E: [planning@nixalite.com](mailto:planning@nixalite.com) or [sales@nixalite.com](mailto:sales@nixalite.com) [www.nixalite.com](http://www.nixalite.com)
- B. ABC Advanced Bird Control – A division of Nixalite® of America Inc.  
PO Box 727, East Moline, Illinois 61244, U.S.A.  
P: 309.755.4708 E: [info@abcbirdcontrol.com](mailto:info@abcbirdcontrol.com) [www.abcbirdcontrol.com](http://www.abcbirdcontrol.com)

## 2.2 – FLITELINE POST & WIRE BIRD DETERRENT

- A. **FliteLine Posts:**  
Nixalite offer several different types of Flite Posts – each with its own purpose and application.
  - a) **FliteLine Post with Base:** All stainless steel, 2-line capacity posts welded to a 1-3/4" (4.4 cm) square stainless-steel base. Available in 3-1/2" (8.9 cm) and 5" (12.7 cm) post height. Base has 4 mounting holes for the appropriate mechanical fasteners.
  - b) **FliteLine Post with Nail Point:** All stainless steel, one or two line capacity posts with nail point at one end. Available in several sizes. Can be installed directly into wood or masonry surfaces with other FliteLine accessories
  - c) **FliteLine Post with Rail Clamps:** All stainless steel, 1 line capacity posts welded to stainless steel hose clamps of varying sizes. Attaches to round rails, pipes, cables and other suspended objects.
  - d) **FliteLine Plastic Base for Nail Point Posts:** UV resistant plastic base with 4 mounting holes that mounts 1 FliteLine Post with a Nail Point.
- B. **Flite Cable:** UV resistant poly-jacket over a 1x7 stainless steel aircraft cable. 1/32" (0.8 mm) diameter – 90 lb.(41 kg) breaking strength. FliteLine Cable comes in 300' (91.4 m) and 600' (182.8 m) spools.
- C. **Flite Springs:** All stainless-steel tension springs. Available in two sizes;  
1/4" x 1/2" (6.0 mm x 12.7 mm) tension springs.  
5/16" x 1-3/8" (7.9 mm x 34.9 mm)  
. FliteLine Springs tension the FliteLine Cable.
- D. **Flite Ferrules:** Plated ferrules are used to create quick cable loop connections. Installed with the FliteLine Crimp Tool, sold separately.
- E. **FliteLine Tools and Accessories:** Nixalite offers the tools and accessories needed for an effective installation. Contact Nixalite for details on optional FliteLine Post & Wire Accessories and Tools.

## 2.3 – SURFACE SANITIZING AND DEODORIZING

- A. Nixalite of America Inc offers several different broad spectrum surface sanitizers and deodorizers to help protect your people from the hazards of pest bird waste. Contact Nixalite for recommendations on the proper sanitizing product for your application.
- B. **Safety Equipment:** Nixalite offers personal protection equipment (PPE) to protect personnel from the hazards related to pest bird and animal waste materials. Contact Nixalite for details.

## 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. All surfaces must be sanitized and deodorized before FliteLine Post & Wire Bird Deterrent installation.
- B. Notify architect of detrimental conditions. Do not proceed until these conditions have been corrected.

### 3.2 - PREPARATION

- A. **Field Measurements:** Verify the dimensions for each surface specified for FliteLine Post & Wire Bird Deterrent System installation. Use manufacturers Planning and Estimate guidelines to verify sufficient quantities of the FliteLine Post & Wire Bird Deterrent System will be installed on each surface specified.
- B. Make sure all installation surface finishing requirements have been accomplished before installing FliteLine Post & Wire Bird Deterrent System. Bird control is the last system installed on each specified surface. Do not apply any surface coating or treatment (paint, sealer, etc.) over the installed bird control system.
- C. Remove or relocate all plants, foliage or foreign objects that overhang the installation surfaces. Note all conditions that could adversely affect the installation and performance of the FliteLine Post & Wire Bird Deterrent installation.

### 3.3 – SURFACE CLEANING

- A. All surfaces to be clean, dry and free of obstructions before FliteLine Post & Wire Bird Deterrent System is installed.
- B. **If Bird Waste Is Present:**  
Treat, neutralize and safely remove all bird waste from installation surfaces. Installer must follow all municipal, state and federal regulations regarding the proper removal and disposal of bird droppings and waste materials such as nests and dead birds.
- C. Use Nixalite's surface cleaning products to neutralize any bird droppings, nests and related waste materials that may be present. Strictly follow treatment instructions provided with Nixalite's surface cleaning products.
- D. Use Nixalite cleaning products to help prevent disease transmittal when working around surfaces contaminated with bird droppings.

### 3.4 - INSTALLATION

- A. Install the FliteLine Post & Wire Bird Deterrent System as recommended by the manufacturer, strictly following the FliteLine row spacing and installation guidelines provided by the manufacturer.
- B. **Row Spacing:**  
Maximum space between FliteLine rows: 3" (7.6cm).  
Maximum space from all edges and walls: 1" (2.5cm).

**C. Post to Post Spacing:**

In runs 1 ft to 5 ft (0.3 - 1.5 m) long use an FliteLine Posts at each end.

In runs 5 ft to 10 ft long (1.5- 3.0 m) use FliteLine Posts at both ends and one in the middle.

10 ft (3.0 m) long cable runs are the longest that the FliteLine Spring will reliably tension.

**D. Multiple row installations:** alternate post heights for each row. The first row will always consist of all short posts; the next row will be all tall posts (and so on). Single row installations will always be tall posts with both cables installed.

**E. Install both cables** at all outside edges of a FliteLine installation. This includes the “gate” cables (closing the gate) at the ends of an installation.

**F. Cable Connections:**

The Flite Cable is connected to the FliteLine posts with a simple loop connection created with a couple of ferrules and one spring. The maximum cable run is 10 feet. Follow the manufacturers FliteLine installation guidelines for cable connections and routing.

### **3.5 – ADJUSTMENTS / CLEANING**

**A.** Remove debris and waste materials from project site. Inspect finished installation. Make any adjustments needed to conform to Nixalite’s FliteLine Post & Wire System spacing and installation guidelines.

**B.** The FliteLine Post & Wire Bird Deterrent System is a physical and passive barrier. It relies on the spring tensioned and elevated stainless-steel wires to deter pest birds. Periodic inspections are recommended to keep the bird spike strips in good condition.

### **3.6 – POST INSTALL**

**A.** Contractor to provide the **Nixalite Certificate of Authenticity** issued by Nixalite of America Inc after ordering the FliteLine Post & Wire Bird Deterrent System. This provides information that will be required to receive project close out documentation.

**B.** Contractor to provide any manufacturer post installation maintenance documentation for the FliteLine Post & Wire Bird Deterrent System.

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