FliteLine® Post & Wire Bird Deterrent

Nixalite manufactures the FliteLine Post & Wire Bird Deterrent System. The system is comprised of the Flite Posts and the FliteLine hardware and accessories. The following specification outline is presented in a modular format making it simple to include or exclude any combination of the FliteLine Bird Deterrent System as needed for each project.

List Nixalite FliteLine 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. **FliteLine Post & Wire Bird Deterrent:** A surface deterrent that consists of a spring tensioned stainless steel cable run between stainless steel posts. Installed at different heights, the stainless steel cable makes the surface more difficult for large birds to use. Use for large birds, light pressure installations only. All FliteLine components are constructed of either high-grade stainless steel or non-corrosive materials.

B. **FliteLine Mounting Hardware and Accessories:** Nixalite offers a variety of FliteLine hardware and accessories to fasten the FliteLine to nearly any surface material. FliteLine tools and accessories are available to make the installation process a much more efficient process.

C. **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. Installer must obtain, review and understand all FliteLine system installation guidelines.

B. Installer must be completely familiar with the proper installation procedures for the FliteLine system.

C. Installer should contact manufacturer for any updated or newly developed planning or procedural information that may be pertinent to the FliteLine installation.

1.3 - SUBMITTALS

A. Manufacturer's literature including FliteLine specifications and installation guidelines for the FliteLine system and the specified surface cleaning system.

B. Contractor to complete estimate worksheet detailing scope of FliteLine installation and the mounting hardware type, location and spacing.

1.4 – STORAGE & HANDLING

A. Provide storage to keep all FliteLine and surface cleaning 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, mounting hardware and surface cleaning products 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 – FLITELINE GUIDE POST AND WIRE BIRD BARRIER

A. **FliteLine System Components:**

Flite-Posts: Two types of posts available.
Nail Point: All stainless steel posts with 2 line capacity.
Available in two sizes: 4-1/2" (11.5cm) and 6" (15.3cm) in height. Use nail point posts for masonry and wood surfaces. Masonry application requires nylon anchors.
Flite Base: All stainless steel posts with 2 line capacity and stainless steel base. Available in two sizes: 3-1/2" (8.9cm) and 5" (12.7cm) in height. Use Flite Base posts for sheet metal surfaces and adhesive installations. Sheet metal application requires stainless steel sheet metal screws.

Flite Cable: UV coat 1x7 stainless steel aircraft cable. 1/32" (0.8mm) diameter – 110 lb.(50kg) breaking strength. Available in 100' (30.5m), 300' (91.4m) and 600' (182.8m) spools.

Flite Springs: ¼" x ½" (0.6cm x 1.2cm) stainless steel extension springs. Use 1 Flite Spring for every 10 running feet (3 meters) of Flite Cable.

Flite Ferrules: Plated copper ferrules for quick and easy cable connections. The Crimp Tool is a required accessory.

2.3 FLITELINE HARDWARE

A. Installer to contact manufacturer for up-to-date information and recommendations for FliteLine hardware applications, item combinations and new items and procedures. Use the hardware system as specified or as recommended by the manufacturer.

2.4 – SURFACE CLEANING SYSTEM

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).

PART 3 - EXECUTION

3.1 - INSPECTION

A. Visually inspect the surfaces that will receive the FliteLine system and the surrounding areas. Note damaged surfaces or incomplete construction that could compromise the FliteLine installation.

3.2 - PREPARATION

A. **Field Measurements**: Verify dimensions of all installation surfaces. Make sure you have sufficient quantity of FliteLine components and surface cleaning products to properly install the FliteLine System.

B. **Surface Cleaning**: All surfaces to be clean, dry and free of obstructions. Bird droppings to be removed and disposed of in a safe manner and in compliance with local and federal regulations. Follow manufacturers cleaning recommendations when using the surface cleaning system.

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 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. Space and install guide posts per manufacturers spacing guidelines. Use the recommended combinations of guide post heights and multiple cable runs as recommended by manufacturer.

   Row Spacing Guidelines:
   Maximum space between FliteLine rows: 3" (7.6cm).
   Maximum space from all edges and walls: 1" (2.5cm).

Post Spacing Guidelines:
FliteLine is installed in 10 ft. (3 m) maximum length sections. Each section consists of 2 anchor posts (at each end) and 1 guide post (in the middle). If running continuous sections (end-to-end), the last anchor post in a section will serve as the first anchor post of the following section.
Maximum space between Anchor Posts: 10 ft. (3m).
Maximum space between Anchor Posts and Guide Posts: 5 ft. (1.5m).
Guide Posts are not required for sections less than 5 ft. (1.5m) long.

For Best Results:
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.
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.

C. **Cable Connections**:
The Flite Cable is connected to the anchor posts at each end of a section. One end is a simple loop connection that uses a Flite Ferrule for fastening. The cable is passed through the guide posts (if required) and then fastened the closed end of a Flite Spring using another loop connection. The open end of the Flite Spring is then hooked through the appropriate hole in the Flite Post.

D. Protect the entire surface, not just the outside edge of a surface. Follow all the spacing guidelines provided by manufacturer.

3.5 – ADJUSTMENTS / CLEANING

A. Remove debris and waste materials from project site.

B. Visually inspect finished installation. Make any adjustments needed to conform to manufacturer's FliteLine installation guidelines.

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