

Bird Screen Welded Wire Mesh Barriers

Includes specifications for: Surface Cleaning & Mounting Hardware.

Nixalite offers full rolls of both stainless steel and galvanized Bird Screen Welded Wire Mesh Barriers. Ideal for keeping out nuisance animals, rodents and birds, the welded wire mesh barriers can be cut to fit, molded into shapes and installed over, under or around all types of objects, gaps, openings and more.

Bird Screen Welded Wire Mesh Barriers have unlimited uses and applications. It is an easy to install access control. It installs with common fasteners. Once in place the mesh barrier lasts a long time. The Galvanized is a more economical barrier while the stainless barriers last a lifetime and look great doing it.

The following specification outline is presented in a modular format making it simple to include or exclude any combination of the Bird Screen Welded Wire Mesh Barriers as needed for each project.

List Nixalite's Bird Screen Welded Wire Mesh Barriers 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. **Bird Screen Welded Wire Mesh Barriers** have unlimited applications in architecture, grounds and facilities maintenance and security enhancements. This specification details its use for pest bird and nuisance animal barriers, closures and exclusion. Nixalite offers both Galvanized and Stainless Steel Bird Screen Welded Wire Mesh Barriers.
- B. **Mounting Hardware** –Nixalite offers stainless steel and/or weather resistant hardware for fastening the Bird Screen Welded Wire Mesh Barriers to all types of surfaces
- C. **Surface Cleaning System** - surface sanitizers, deodorizers and cleaners to neutralize hazardous bird/animal waste and properly prepare the surface for installation.

1.2 - QUALITY ASSURANCE

- A. Installer must obtain, review and understand all literature and mechanical specifications on the Bird Screen Welded Wire Mesh Barriers.
- B. Installer must be completely familiar with the proper installation procedures for the Bird Screen Welded Wire Mesh Barriers.
- C. Installer should contact manufacturer for any updated or newly developed planning or procedural information that may be pertinent to the installation.

1.3 - SUBMITTALS

- A. Nixalite literature on the specified grade of Bird Screen Welded Wire Mesh Barrier, the recommended fasteners and the specified Surface Cleaning System.
- B. Contractor to complete worksheet detailing the scope of the Bird Screen Welded Wire Mesh Barrier installation including the mounting hardware type, location and spacing.

1.4 – STORAGE & HANDLING

- A. Provide storage to keep all rolls of Welded Wire Mesh Barrier dry, clean and undamaged. Do not stack other packaging or objects on the rolls.
- B. Keep in the original packaging or on shipping pallet 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.
P: 800.624.1189 or 309.755.8771 - F: 800.624.1196 or 309.755.0077
E: birdcontrol@nixalite.com or planning@nixalite.com
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.
P: 888.212.8682 or 309.755.4708 - F: 309.755.1865
E: info@abcbirdcontrol.com
www.abcbirdcontrol.com

2.2 – BIRD SCREEN WELDED WIRE MESH BARRIERS

- A. **Galvanized ½” Bird Screen Welded Wire Mesh Barrier:**
 - Wire: 0.041” (19 ga.) (1.04mm) diameter steel wire
 - Process: Welded and hot dip galvanized
 - Mesh size: ½” (12.7mm) square mesh
 - Roll sizes: 4 feet wide X 100 feet long (1.22 m X 30.48 m) – 400 sq. feet (37 sq. m.)
 - Roll Weight: 63 pounds (28.5 kg)
 - Roll sizes: 2 feet wide X 50 feet long (0.62 m X 15.24 m) – 200 sq. feet (18.6 sq. m.)
 - Roll Weight: 21 pounds (9.5 kg)
- B. **Galvanized ¼” Bird Screen Welded Wire Mesh Barrier:**
 - Wire: 0.025” (23 ga.) (0.63 mm) diameter steel wire
 - Process: Welded and hot dip galvanized
 - Mesh size: ¼” (12.7 mm) square mesh
 - Roll size: 4 feet wide x 50 feet long (0.62 m x 15.24 m) – 200 sq. feet (18.6 sq. m.)
 - Roll Weight: 36.5 pounds (16.5 kg)
- C. **Stainless Steel Bird Screen Welded Wire Mesh Barrier:**
 - Wire: 0.047” (18 ga.) (1.19mm) diameter 304 stainless steel wire
 - Process: Welded rigid wire process
 - Mesh size: ½” (12.7mm) square mesh
 - Roll size: 4ft wide x 100ft long (1.22m x 30.48m) – 400 sq ft (37 sq m)

Weight: 130 lbs. per roll (59 kg)

2.3 WIRE MESH MOUNTING HARDWARE

- A. Installer to contact manufacturer for up-to-date information and recommendations for hardware applications, item combinations, new items and new procedures. Use the hardware system recommended by the manufacturer.
- B. **Premium Nixalite Mounting Hardware:**
All stainless steel mounting hardware including; mounting clips, sheet metal screws, masonry anchors, drive screws and ductile stainless wire ties.
- C. **E-Z Clips:** All stainless steel U-shaped brackets with mounting holes. Accepts Premium Nixalite sheet metal screw and drive screw. Fits over the edges of the Bird Screen Welded Wire Mesh Barriers.
- D. **Additional Installation Methods:** Due to the versatility and ease of installation, there are many possible methods for fastening. Contact manufacturer for details regarding details and procedures.

2.4 – SURFACE CLEANING SYSTEM

- A. **Steri-Fab:** Surface disinfectant and bactericide designed to neutralize bird waste, making it safe for removal. Steri-Fab quickly kills disease causing bacteria, parasites, fungi, insects, etc. This is a non-residual product. It becomes completely inert after it dries. Do not use with Microcide-SQ on the same surface at the same time.
- B. **Microcide-SQ:** A broad spectrum disinfectant, cleaner and deodorizer used to sanitize hard surfaces as well as fabrics and clothing. Use to kill a wide spectrum of organisms and disease causing bacteria. Do not use with Steri-Fab on the same surface at the same time.
- C. **Microsan:** Anti-microbial personal protection products to help prevent disease transmittal before, during and after working on and around surfaces contaminated with bird and animal wastes. Use to compliment personal protection equipment standards (PPE).
- D. **Safety Equipment:** Nixalite offers personal protection equipment (PPE) to protect personnel from the hazards related to pest bird and animal waste materials.

PART 3 - EXECUTION

3.1 - INSPECTION

- A. Visually inspect the surfaces that will receive the Bird Screen Welded Wire Mesh Barriers, the mounting hardware and all areas that will end up behind or inside the barrier installation. Note damaged surfaces or incomplete construction that could compromise the integrity of the barrier installation.
- B. Note all areas, surfaces or objects that may require maintenance or periodic replacement after the Bird Screen Welded Wire Mesh Barrier is installed (i.e. lights, electrical equipment, etc.). Use the appropriate fastening system to allow access behind the installation.
- C. Note any objects or conditions that could damage the Bird Screen Welded Wire Mesh Barrier. Install the mesh in a manner as to avoid these conditions.

3.2 - PREPARATION

- A. **Field Measurements:** Verify dimensions of the areas to be enclosed. Make sure you have sufficient quantity of Bird Screen Welded Wire Mesh Barrier, installation hardware and surface cleaning products to properly complete the installation.

3.3 – SURFACE CLEANING

- A. All surfaces to be clean, dry and free of obstructions before the Bird Screen Welded Wire Mesh 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. 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-microbial and anti-bacterial personal protection products to help prevent disease transmittal when working around surfaces contaminated with bird

3.4 - INSTALLATION

- A. Install the Bird Screen Welded Wire Mesh Barrier as recommended by manufacturer.
- B. If necessary cut the Bird Screen Welded Wire Mesh Barrier to fit the area.
 - For fast cutting**, use thin cut-off discs for metal on a small, hand held angle grinder. Good for long and/or repetitive cuts of welded wire mesh. **For precision cutting**, use hand operated metal shears made for heavy gage metal. Good for cutting odd shapes and detail work.
- C. **If following a radius or curved surface**, bend the mesh to follow the contour. Forming to a curved or round surface will require additional installation hardware. **DO NOT BEND MESH AROUND CORNERS**. Cut the mesh flush to the edge of the corner (inside or outside corner), fasten as recommended, and then begin a new run of mesh on the opposite side of the corner.
- D. **Premium Nixalite Mounting Hardware** – Snap stainless steel mounting clips onto top and bottom edges of wire mesh at 12 inch (30.54 cm) center to center. Use the Premium Nixalite fastener best suited to the installation surface to secure mesh to the surface.
- E. **E-Z Clip Mounting** – place Nixalite’s E-Z clips over the outside edges of the wire mesh at 12 inch (30.54 cm) center to center intervals. Secure each E-Z clip in place with the Premium Nixalite fastener best suited to the installation surface.
- F. If joining separate pieces of mesh together end to end, overlap by at least 2 mesh mesh and secure with the appropriate wire tie or fastener.
- G. Install Bird Screen Welded Wire Mesh Barriers to avoid contact with machinery, vehicles, etc. Make necessary adjustments to keep the installation a sufficient distance from these objects or conditions.
- H. Finished Welded Wire Mesh Barrier installation to be clean, straight and gap-free.

3.5 – ADJUSTMENTS / CLEANING

- A. Remove debris and waste from project site. Inspect finished installation. Make any adjustments needed to conform to specifications.
- B. Bird Screen Welded Wire Mesh Barriers are a physical and passive barrier. It relies on optimal placement and proper installation. Each installation of mesh barrier must block off or seal up all routes and paths that pest birds follow to their preferred roosts. Periodic inspections are recommended to make sure the wire mesh stays in good condition.
- C. Note any holes, gaps or openings in the bird net installation that birds can use to bypass or get around the netting barrier. Correct these conditions immediately.

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