

Welded Wire Mesh Bird & Animal Barriers

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

List Nixalite's 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. **Welded Wire Mesh Barriers** have unlimited applications in architecture, grounds & 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** Welded Wire Mesh Barriers.
- B. **Mounting Hardware** –Nixalite offers a complete line of all stainless steel and/or weather resistant hardware for installing the Welded Wire Mesh Barriers.
- 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 Welded Wire Mesh Barriers.
- B. Installer must be completely familiar with the proper installation procedures for the 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 Welded Wire Mesh Barrier, the recommended fasteners and the specified Surface Cleaning System.
- B. Contractor to complete worksheet detailing the scope of the 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.
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 – WELDED WIRE MESH BARRIERS

- A. **Galvanized 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 size: 4ft wide x 100ft long (1.22m x 30.48m) – 400 sq ft (37 sq m)
Weight: 90 lbs. per roll (46 kg)

- B. **Stainless Steel 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, spiral nails, nylon anchors, drive screws and ductile stainless wire ties.

- C. **E-Z Clips:**
All stainless steel mounting bracket with mounting hole. Accepts Premium sheet metal screws, spiral nails and drive screws.

- 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 to neutralize bird waste. Multipurpose sanitizing spray used to quickly kill disease causing bacteria, parasites, fungi, insects, etc. Non-residual product, Steri-Fab is inert after it dries. Do not use with Microcide-SQ on the same surface.

- B. **Microcide-SQ:** 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.
- C. **Microsan:** anti-bacterial 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. **All Marine Bird Dropping Remover:** 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 stains and odors. Safe and effective for both wet and dry environments.

PART 3 - EXECUTION

3.1 - INSPECTION

- A. Visually inspect the surfaces that will receive the 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 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 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 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 installation.
- 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 Welded Wire Mesh Barrier as recommended by manufacturer.
- B. If necessary cut the 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 16” intervals. 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 16” 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 mesh by one mesh and secure with Nixalite’s stainless steel net rings or the Net Ties.
- G. Install 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 materials from project site.
- B. Inspect finished installation. Make any adjustments needed to conform to manufacturer’s Welded Wire Mesh Barrier guidelines.

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