

Nixalite Vent & Chimney Guards

Includes specifications for: Exhaust & Roof Vent Guards, Chimney Flue Guards.

Nixalite offer a full line of Vent & Chimney Guards to keep pest birds and animals from getting into your home or property. Protect chimney flues, roof vents, dryer vents and other structural openings with these vent guards and chimney caps. Nixalite offers the guards in a variety of base materials, finishes and sizes. All of the Vent & Chimney Guards are MADE IN THE USA.

There are three types of guards; small vent guards, roof vent guards and chimney flue guards. Small vent guards are installed over dryer and plumbing vent outlets. Roof vent guards are designed to enclose and protect exhaust or attic vents often found on the roofs of commercial and residential properties. Chimney guards are installed over the flues of commercial and residential fireplace chimneys, boiler exhaust vents and more. Custom made vents are available. Contact Nixalite of America Inc for more details.

The following specification outline is presented in a modular format making it simple to include or exclude any combination of Nixalite's Vent & Chimney Guards as needed for each project.

List Nixalite's Vent & Chimney Guards 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

Master Format 2014 – 07 70 00 – Roof & Wall Specialties and Accessories

Master Format 2014 – 07 72 00 – Roof Accessories

PART 1 - GENERAL

1.1 - SYSTEM DESCRIPTION:

- A. Nixalite's Vent & Chimney Guards** are designed specifically to stop birds and animals from getting into a structure by way of open and unprotected vents and chimneys flues. There are 4 different types of guards; wall vent guards, roof vent guards, chimney flue guards and custom made chimney guards.
- B. Wall Vent Guards** are installed over small exhaust and system vent outlets that often protrude out the side of a commercial or residential structure wall. Common applications would include dryer vents, plumbing system vents, vents for exhaust fans and more. The small vent guards measure 7" square and 5" high (17.8 cm square and 12.7 cm high) and comes in a white powder coated stainless steel expanded mesh material. MADE IN THE USA.
- C. Roof Vent Guards** are installed over the individual system vents and outlets that typically protrude up through the roofing system of commercial and residential structures. Common application would be individual attic or loft space vents, plumbing and sanitary vents, boiler or water heater vents and more. There are a variety of roof vent guard sizes to fit most applications. Roof vent guards are available in black painted galvanized steel or in a raw stainless steel finish. MADE IN THE USA.
- D. Chimney Guards** are installed over the individual flues that line most modern chimneys. Individual flue Chimney Guards have a tamper resistant fastening system that even the cleverest animals cannot remove. There are a variety of Chimney Guards to fit most flue sizes. Chimney Guards are available in black painted galvanized steel or in a raw stainless steel finish. MADE IN THE USA.

E. Custom Made Chimney Covers & Guards are made to order. You provide the dimensions of chimney to be enclosed so a custom chimney cap & guard can be manufactured to fit. These custom made pieces are both cap and guard as they provide a solid overhead cap and side screens to keep animals out. These can be made of galvanized steel, aluminum, copper and stainless steel. **MADE IN THE USA.**

1.2 - QUALITY ASSURANCE

- A.** Installer to obtain, review and understand all of Nixalite of America Inc.'s Vent & Chimney Guard information before starting work.
- B.** Installer must be completely familiar with the proper installation procedures for the Nixalite Vent & Chimney Guard and the specified mounting system.
- C.** Installer must obtain and record **accurate and complete dimensions** of the object to be covered and protected by the vent or guard. Accurate dimensions ensure accurate quotations and material orders.
- D.** Installer should contact manufacturer for any updated or newly developed planning or procedural information that may be pertinent to the Vent & Chimney Guard installation.
- E.** Installer to ensure that specified Vent & Chimney Guard is **Made in the USA**. No substitutions are allowed.

1.3 - SUBMITTALS

- A.** Manufacturer's literature including Nixalite's Vent & Chimney Guard brochures and installation guidelines.
- B.** Contractor to complete estimate worksheet detailing the scope of the Vent & Chimney Guard installation along with a description of the mounting hardware type, location and spacing.

1.4 – STORAGE & HANDLING

- A.** Provide storage to keep all Nixalite Vent & Chimney Guard boxes dry, clean and undamaged. Do not stack or place other packaging or objects on the Nixalite Vent & Chimney Guard shipping boxes.
- B.** Keep the Nixalite Vent & Chimney Guards 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.
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 – NIXALITE VENT & CHIMNEY GUARDS

A. WALL MOUNT VENT GUARDS:

Size: 7" wide X 7" long X 5" high (17.8 cm X 17.8 cm X 12.7 cm)

Material: Stainless steel 18 gauge expanded metal mesh.

Color: White (color powder coated)

Fastening: Hardware not included. Use fasteners best suited to application. Each guard has a flat stainless steel sheet metal hardware flange on all 4 sides with mounting holes every 1-1/2" (3.8 cm).
MADE IN THE USA.

B. ROOF VENT GUARDS:

There are several different sizes of Roof Vent Guards.

This specification provides details on 3 standard sizes.

Custom Roof Vent sizes are available. Contact Nixalite for details.

Small Roof Vent Guard (high hat)

Size: 11 wide X 11" long X 13" high (28 cm X 28 cm X 33 cm)

Materials: 18 gauge expanded metal mesh in either stainless steel or black painted galvanized steel.

Color: Black or raw stainless steel finish

Fastening: Hardware not included. Use fasteners best suited to application. Each guard has a flat stainless steel sheet metal hardware flange on all 4 sides with mounting holes every 1-1/2" (3.8 cm).
MADE IN THE USA.

Medium Roof Vent Guard:

Size: 16 wide X 16" long X 6" high (40 cm X 40 cm X 15 cm)

Materials: 18 gauge expanded metal mesh in either stainless steel or black painted galvanized steel

Color: Black or raw stainless steel finish

Fastening: Hardware not included. Use fasteners best suited to application. Each guard has a flat stainless steel sheet metal hardware flange on all 4 sides with mounting holes every 1-1/2" (3.8 cm).
MADE IN THE USA.

Large Roof Vent Guard:

Size: 30 wide X 30" long X 12" high (76 cm X 76 cm X 30.5 cm)

Materials: 18 gauge expanded metal mesh in either stainless steel or black painted galvanized steel

Color: Black or raw stainless steel finish

Fastening: Hardware not included. Use fasteners best suited to application. Each guard has a flat stainless steel sheet metal hardware flange on all 4 sides with mounting holes every 1-1/2" (3.8 cm).
MADE IN THE USA

C. SINGLE FLUE CHIMNEY GUARDS:

There are several different sizes of Roof Vent Guards.

This specification provides details on 3 standard sizes.

Custom Chimney Guards are available. Contact Nixalite for details.

Small Square Single Flue Chimney Guard

Size: 9 wide X 9" long X 6" high (23 cm X 23 cm X 15.2 cm)

Materials: 18 gauge expanded metal mesh in either stainless steel or black painted galvanized steel.

Color: Black or raw stainless steel finish

Fastening: Tamper proof bolt on design. Each Single Flue Chimney Guard has a split sheet metal tensioning belt welded to the expanded mesh. Fit the guard over the flue and tighten the clamping hardware included.

MADE IN THE USA.

Medium Single Flue Chimney Guard

Size: 9 wide X 13" long X 6" high (23 cm X 33 cm X 15.2 cm)

Materials: 18 gauge expanded metal mesh in either stainless steel or black painted galvanized steel.

Color: Black or raw stainless steel finish

Fastening: Tamper proof bolt on design. Each Single Flue Chimney Guard has a split sheet metal tensioning belt welded to the expanded mesh. Fit the guard over the flue and tighten the clamping hardware included.

MADE IN THE USA.

Large Square Single Flue Chimney Guard

Size: 13" wide X 13" long X 6" high (33 cm X 33 cm X 15.2 cm)

Materials: 18 gauge expanded metal mesh in either stainless steel or black painted galvanized steel.

Color: Black or raw stainless steel finish

Fastening: Tamper proof bolt on design. Each Single Flue Chimney Guard has a split sheet metal tensioning belt welded to the expanded mesh. Fit the guard over the flue and tighten the clamping hardware included.

MADE IN THE USA.

2.3 MOUNTING HARDWARE

A. Wall & Roof Guards:

Individual hardware is NOT INCLUDED with either the wall or roof guards. Choose the mechanical fastener (screw or nail) that best suits the installation surface. Each guard has a flat stainless steel or galvanized sheet metal hardware flange on all 4 sides with mounting holes every 1-1/2" (3.8 cm). Install a minimum of 1 fastener in each corner. For guards that are more than 12" (30.5 cm) wide on each side, install one fastener every 6 to 10 inches (15 to 25 cm) along the perimeter of the guard.

B. Single Flue Chimney Guards:

Individual mounting hardware is NOT NEEDED for the single flue chimney guards. Each of these guards has a tamper proof bolt on design that contains everything needed for installation. Fit the guard over the flue and tighten the clamping hardware included.

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. Inspect the structure and note any holes, gaps or openings that birds and animals could use to get around the barriers created by the wall, roof and chimney guards. Make sure to seal or close off any alternate paths or routes that may be open to pest birds and animals.
- B. Visually inspect the surfaces that will receive the guards and your chosen mounting hardware. Inspect all areas that will end up behind or inside the guard enclosure. Note damaged surfaces or incomplete construction that could compromise the enclosure and allow birds and animals to get around the guard enclosure.
- C. Note all areas, surfaces or objects that may require maintenance or periodic replacement after the guards are installed (i.e. vent doors, louvers, filters, etc.). Choose the mounting hardware that will allow the installation, removal and reinstallation of the guards to allow access.
- D. Note any objects or conditions that could damage the installed wall or roof guards. Install the guards in such a manner as to avoid these conditions.

3.2 - PREPARATION

- A. **Field Measurements:** You MUST verify the dimensions for each object (i.e.; vent, chimney flue, exhaust port, etc.) to be enclosed by the specified wall, roof or chimney guard. Accurate dimensions before installation allow installers to order the correct guard in the size that will ensure full enclosure.
- B. Make sure all installation surface finishing requirements have been accomplished before installing the Nixalite's Vent & Chimney Guards. Installation of guards is to be the last item installed on each specified surface. DO NOT apply any surface coating or treatment (paint, sealer, etc.) over or on the installed Nixalite's Vent & Chimney Guards.

3.3 – SURFACE CLEANING

- A. All surfaces to be clean, dry and free of obstructions before the Vent & Chimney Guards are 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 Vent & Chimney Guards as recommended by manufacturer.
NOTE: ALWAYS apply adhesive or sealer over the heads of any mechanical fastener used to secure any of the guards in place.
- B. **For Wall Mount Vent Guards:**
Make sure the guard fits over the vent or outlet before beginning. Position the guard over the object to be enclosed and fasten in place with your chosen fasteners. Install one fastener in each corner of the guard. Apply adhesive over all fasteners to keep out water.
- C. **For Roof Mount Vent Guards:**
Make sure the guard fits over the vent or outlet before beginning. Position the guard over the object to be enclosed and fasten in place with your chosen fasteners. Install one fastener in each corner of the

guard. For guards that are more than 12” (30.5 cm) wide on each side, install one fastener every 6 to 10 inches (15 to 25 cm) along the perimeter of the guard. Apply adhesive over all fasteners to keep out water.

D. For Single Flue Chimney Guards:

Make sure the guard fits over the single flue of the chimney before you start the installation. Each Single Flue Chimney Guard has tamper proof bolt on design which incorporates a split sheet metal tensioning belt welded to the perimeter of the expanded mesh guard. Fit the guard over the flue and tighten the clamping hardware that is welded to the guard. Do not over tighten the tensioning belt as you could crack the flue stone work.

3.5 – ADJUSTMENTS / CLEANING

- A. Remove any debris from project site. Inspect finished installation. Make any adjustments needed to conform to Nixalite’s recommended installation guidelines.
- B. Nixalite’s Vent and Chimney Guards are physical and passive barriers. They rely on optimal placement and proper installation. These exclusion guards must block off or seal up all routes and paths that pest birds and animals use to gain access to the interior of the structure. Periodic inspections are recommended to make sure the guards and the fastening methods stay in good condition.

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