Nixalite offers complete bird netting systems to keep birds away from all types of objects, openings and structures. With architectural, agricultural and aquaculture applications, bird netting is versatile, efficient and effective. If installed properly birds can’t get past the netting barrier.

To provide a solid foundation, Nixalite offers all of the hardware and accessories needed to complete an effective bird netting installation.

Case History: K-Net™ For Miami Intermodal
Project: Miami Intermodal Facility, Miami, FL
Architect: Sequiera & Gavarrete, Coral Gables, FL
Installer: Holmes Builders, Miami, FL
Problem: To deter literally thousands of pest birds from roosting and nesting on the open steel trusses, beams and gaps created by the roof deck design.
Solution: To eliminate the bird problem by installing K-Net HT Bird Netting and tensioned perimeter and support cables.
Result: When completed, the project required 100,000+ square feet of K-Net, miles of net cable and thousands of net hardware items. All installed with patience and skill by Holmes Builders of Miami, FL.

The netting and hardware is discreet even viewed up close
The black K-Net blends in with the gray roof decking behind

Bird Netting Comparison

<table>
<thead>
<tr>
<th>K-Net™ HT Bird Netting</th>
<th>Bird-Net™ Netting</th>
<th>PollyNet™ Bird Netting</th>
<th>Bare Hand™ Vineyard Net</th>
<th>Welded Wire Barriers</th>
</tr>
</thead>
<tbody>
<tr>
<td>WORKS FOR</td>
<td></td>
<td></td>
<td></td>
<td>Birds &amp; Animals</td>
</tr>
<tr>
<td>Made of</td>
<td>All Birds</td>
<td>All Birds</td>
<td>All Birds</td>
<td>Birds &amp; Animals</td>
</tr>
<tr>
<td>Mesh size</td>
<td>Polyethylene</td>
<td>Polyethylene</td>
<td>Polypropylene</td>
<td>Polyethylene</td>
</tr>
<tr>
<td>Durability</td>
<td>3/4” Square</td>
<td>Multiple sizes</td>
<td>Multiple sizes</td>
<td>3/4” Sq. &amp; Flex</td>
</tr>
<tr>
<td></td>
<td>Long lasting</td>
<td>Long lasting</td>
<td>Long lasting</td>
<td>Up to 6 seasons</td>
</tr>
<tr>
<td></td>
<td>Strong, durable, discreet</td>
<td>Economical, tough, versatile</td>
<td>Protects all types of row crops</td>
<td>Strong, durable, looks great</td>
</tr>
<tr>
<td>Equivalent</td>
<td>None</td>
<td>Numerical</td>
<td>None</td>
<td>Numerical</td>
</tr>
<tr>
<td>Warranty</td>
<td>10 Year</td>
<td>5 year</td>
<td>Limited</td>
<td>Limited</td>
</tr>
</tbody>
</table>

Go to www.nixalite.com/NetandMeshComparisonTable.aspx

Nixalite® of America Inc - 1025 16th Avenue - East Moline, IL 61244, USA
Phone 800.624.1189 or 309.755.8771  Fax 800.624.1196 or 309.755.0077
Website www.nixalite.com  Email birdcontrol@nixalite.com
Basic Estimating for Bird Netting

Each application may be different and require alternate or additional steps. If you have any questions regarding a bird netting installation call or email Nixalite.

Observation
Identify the pest bird and all the places birds land, roost and nest. Identify the routes birds use to get to the area.

Where to Install the Net?
The best location for bird netting is one that either encloses the problem area or blocks off the routes that birds use to gain access.

Which Netting?
Choose the Nixalite bird netting that best suits your application. Use the net size or combination of sizes that provide the required coverage.

Measurements
Accurately measure all the areas where the bird netting will be installed. Record the location of any beams, trusses, pipes, etc that could help support the bird netting.

How Much Netting?
When estimating for bird netting DO NOT rely on square foot dimensions. They do not account for vertical, angled or curved elements of an installation.

Allow extra netting for edge fastening, seams, waste cuts, etc. When figuring coverage, subtract at least 1 foot from the length and width of each netting piece.

Example: A 14’x50’ covers an area 13’x49’.

Netting Hardware
Choose the netting hardware that best suits your application. From simple Poly Hardware to complete tensioned cable systems, Nixalite has what you need to fasten the bird netting to all types of surfaces. For more information, see pages 6 - 8.

Case History: Bird Netting for Radar

Project: Radar Tower Facility
Installer: WPCS International Inc.
Sarasota Operations, Florida
Problem: FAA solicitation to resolve a bird roosting problem on a radar tower facility. Large birds were roosting on the tower framework. Their droppings were creating unhealthy conditions for people that had to work on or under the tower framework.

Proposal: Sanitize all surfaces to neutralize and safely remove bird waste. Install a K-Net Bird Netting enclosure to prevent a reoccurrence of the problem.

Result: WPCS sanitized and pressure washed all surfaces and installed the K-Net HT bird netting around the tower framework. The bird netting enclosure has effectively ended the problem.

Contact Nixalite for the complete WPCS International Inc Case History
Strength, Quality, Value
Unbeatable Bird Netting from Nixalite

The perfect choice for bird exclusion is K-Net HT Bird Netting. It features high strength, seamless construction and unbeatable prices. Made from 12-ply black polyethylene, K-Net HT is extremely durable, making it ideal for long term use in harsh environments, indoors and outdoors, for all types of birds.

- Made from high density polyethylene strands (HDPE)
- Each 12 ply strand has a 75 lb knotted breaking strength
- K-Net HT is UV, flame, abrasion and rot resistant
- Seamless, 3/4” square mesh is uniform in appearance
- K-Net HT is available in Black or Stone (tan) colors
- Installs with all types of netting hardware
- Has 10 year limited warranty on black net, 3 year on stone net
- K-Net HT is manufactured and tested in compliance with ISO 9001-2000 Quality Management Standards

K-Net HT™ Netting Sizes

To order, use the Item #'s and descriptions below. Combine different sizes to get the desired netting coverage. Remember to allow extra netting for perimeter fastening and overlapping seams. Available in Black or Stone (tan) colors.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Sq. Ft. (sq.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K-Net 25x50</td>
<td>25’ x 50’ K-Net HT</td>
<td>1,250 (116)</td>
</tr>
<tr>
<td>K-Net 25x100</td>
<td>25’ x 100’ K-Net HT</td>
<td>2,500 (232)</td>
</tr>
<tr>
<td>K-Net 50x50</td>
<td>50’ x 50’ K-Net HT</td>
<td>2,500 (232)</td>
</tr>
<tr>
<td>K-Net 50x100</td>
<td>50’ x 100’ K-Net HT</td>
<td>5,000 (464)</td>
</tr>
</tbody>
</table>

Custom sizes available, call for details

Easier to Work With, Goes Up Faster!

Some bird netting is packaged in a ‘rope’ or collapsed mesh form. This may save space but it takes valuable time and effort to stretch this ‘rope’ net out to its advertised size.

K-Net HT is a square mesh net that is packaged in a ‘square’ folded bundle. K-Net is easy, just unfold and unroll and you’re ready to go. No stretching is required to get the advertised size.

For bird netting hardware, tools and accessories, see pages 6 - 8
For more information go to www.nixalite.com/k-netbirdnetting.aspx

Website www.nixalite.com      Email birdcontrol@nixalite.com
Economy, Value, Versatility


Bird-Net™ Sizes

To order, use the Item #’s and descriptions below. Combine different sizes to get the desired coverage. Allow extra netting for perimeter fastening and overlapping seams. Available in Black or Stone (tan) colors.

3/4” Square Mesh in Black or Stone (tan). For birds of all sizes.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Sq. Ft. (sq.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNET 3/4 25x25</td>
<td>25’ x 25’ Bird-Net</td>
<td>625 (58)</td>
</tr>
<tr>
<td>BNET 3/4 25x50</td>
<td>25’ x 50’ Bird-Net</td>
<td>1,250 (116)</td>
</tr>
<tr>
<td>BNET 3/4 50x50</td>
<td>50’ x 50’ Bird-Net</td>
<td>2,500 (232)</td>
</tr>
<tr>
<td>BNET 3/4 50x100</td>
<td>50’ x 100’ Bird-Net</td>
<td>5,000 (464)</td>
</tr>
</tbody>
</table>

2” Square Mesh in Black or Stone (tan). Pigeons and larger birds only.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Sq. Ft. (sq.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNET 2 25x25</td>
<td>25’ x 25’ Bird-Net</td>
<td>625 (58)</td>
</tr>
<tr>
<td>BNET 2 25x50</td>
<td>25’ x 50’ Bird-Net</td>
<td>1,250 (116)</td>
</tr>
<tr>
<td>BNET 2 50x50</td>
<td>50’ x 50’ Bird-Net</td>
<td>2,500 (232)</td>
</tr>
<tr>
<td>BNET 2 50x100</td>
<td>50’ x 100’ Bird-Net</td>
<td>5,000 (464)</td>
</tr>
</tbody>
</table>

For bird netting hardware, tools and accessories, see pages 6 - 8

For more information go to www.nixalite.com/birdnetbirdnetting.aspx
PollyNet is a seamless, knotless and UV resistant polypropylene bird netting that is installed on, over or around an endless list of objects, openings and structures. Effective, strong, easy to install and very economical - what more can you ask from bird netting?

**PollyNet™ Premium**

Tough, resilient netting made to withstand exterior structural, agricultural and aquaculture applications. 1/2” sq. mesh keeps out all birds. 5 year UV warranty.

**PollyNet™ Lightweight**

Thin strands with 3/4”x 5/8” mesh make Lightweight inconspicuous. Use when low visibility and economy are more important than durability and longevity.

### PollyNet™ Premium Applications
- Windows
- Bell towers
- I-Beams
- Canopies
- Roof eaves
- Garages
- Boat docks
- Fish ponds
- Gardens
- Signs

### PollyNet™ Lightweight Applications
- Gardens
- Greenhouses
- Orchards
- Berry crops
- Statues
- Hatcheries
- Food courts
- Pipes/ducts
- Balconies
- Latticework
- Vineyards
- Nurseries
- Water tanks
- Landscaping
- Auditoriums

### PollyNet™ Premium

Tough seamless netting with 1/2” square mesh to keep out birds of all sizes including sparrows, mud swallows, etc.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Sq. Ft. (sq.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Netting 50</td>
<td>14’ x 50’ Premium PollyNet</td>
<td>700 (65)</td>
</tr>
<tr>
<td>Netting 100</td>
<td>14’ x 100’ Premium PollyNet</td>
<td>1,400 (130)</td>
</tr>
<tr>
<td>Netting 250</td>
<td>14’ x 250’ Premium PollyNet</td>
<td>3,500 (325)</td>
</tr>
<tr>
<td>Netting 3000</td>
<td>14’ x 3,000’ Premium PollyNet</td>
<td>42,000 (3,901)</td>
</tr>
</tbody>
</table>

Custom cuts available, call for details.

### PollyNet™ Lightweight

Ultralight construction. Use when visibility and economy are more important than durability and longevity.

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Sq. Ft. (sq.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNetting 50</td>
<td>17’ x 50’ Lightweight PollyNet</td>
<td>850 (79)</td>
</tr>
<tr>
<td>LNetting 100</td>
<td>17’ x 100’ Lightweight PollyNet</td>
<td>1,700 (158)</td>
</tr>
<tr>
<td>LNetting 250</td>
<td>17’ x 250’ Lightweight PollyNet</td>
<td>4,250 (395)</td>
</tr>
<tr>
<td>LNetting Roll</td>
<td>17’ x 5,000’ Lightweight PollyNet</td>
<td>85,000 (7,897)</td>
</tr>
</tbody>
</table>

Custom cuts available, call for details.

For more information go to www.nixalite.com/pollynetbirdnetting.aspx

Website www.nixalite.com   Email birdcontrol@nixalite.com
Poly Hardware
An economical and durable line of netting hardware used for all types of bird netting.

**Item# Poly Clips**
Perimeter fastening hardware
A black, UV stabilized polypropylene clip installed around the outside edges of a netting installation. Snaps shut over rolled edges of netting.

Install every 12” for straight runs and every 6” for curved or irregular shapes

**Item# Twist Loks**
Seam fastening hardware
A black, UV stabilized spring clip that holds bird netting together at seams, cuts and patches. Push through overlapped netting and twist to close.

Install every 6” for seams, every 3” for cuts and patches

**Item# Poly Cord**
Multi-Purpose hardware
A black, UV stabilized cord used to sew up seams, make repairs and to attach netting to a variety of objects.
Not used for perimeter support.

Sold by the foot or in 1,000 foot spools

**Item# Net Tie**
Multi-Purpose hardware
Black, MIL SPEC cable ties used to fasten net. Available in standard 7.5”, 11.5” and 14.5” lengths. Custom lengths are available.

Fastens bird netting to objects
Fastens deer fencing to posts

For more information go to www.nixalite.com/nettinghardware.aspx

---

**Tensioned Cable Hardware**

**Net Cable & Connection Hardware**

**EXAMPLE: Loop connection with rope clamps**

3” turn back minimum

Thimble

At least 2 clamps per loop connection

**EXAMPLE: Loop connection with ferrules**

3” turn back minimum

Thimble

At least 2 ferrules per loop connection

**Net Cable**
Item #: Net Cable 250
Item #: Net Cable 500

**Thimbles**
Item #: Thimbles

**Rope Clamps**
Item #: Rope Clamp S
Item #: Rope Clamp G

**Ferrules**
Item #: Ferrules

**Net Cable**
Perimeter & Support
Stainless steel 7x7, 49 strand 3/32” diameter cable w/ 920 lb tensile.

**Cable Protection**
HD Stainless steel thimbles protect cables from fraying and eventually breaking. Use at all loop connections.

**Loop Connections**
Required for cable runs of 25 ft or more. Recommended clamping method.

**Ferrules**
For cable runs less than 25 feet long. Zinc plated copper ferrules for 3/32” Net Cable. Requires crimper #FBHSC350.

For more information go to www.nixalite.com/nettinghardware.aspx

Phone 800.624.1189 or 309.755.8771  Fax 800.624.1196 or 309.755.0077
Corner Hardware & Turnbuckles

**Corner Hardware**
Stainless steel 9/16” ID with 1/4-20 threaded 1” long stem and stainless steel nut. For steel and masonry surfaces.

**Anchors for Eyebolts**
Machine screw anchors for Large Eyebolts. 1/4-20 thread, 100 ct. box, setting tool included.

**Corner Hardware**
Stainless steel 17/32” ID with 1” long lag threaded stem. For wood and composite surfaces.

**HD Turnbuckles**
All stainless steel turnbuckles. Three sizes, hook and eye.

---

**EXAMPLE: Corner Hardware**
Corner Hardware anchors the entire installation. Max spacing between Corner Hardware with ferrule connections is 25 feet. Max spacing with rope clamp connections is 50 feet.

**EXAMPLE: Cable Guide**
Cable Guides keep the cable close to the installation surface, eliminating gaps. Max spacing between Cable Guides is 2 ft. Use the cable guide that best suits your surface.

---

**Cable Guide Hardware**

**Small Eyebolt**
Item #: Eyebolt SM/Nut

**Masonry Anchor**
Item #: MS Anchor S

**Small Screw Eye**
Item #: Screw Eye S

**EZ-Clip™**
Item #: EZ-Clip

---

**Sidewinders**
Item #: SWT-1.5
Item #: SWD-1.5

**Drive Socket**
Item #: Sammy Socket

**Flange Clips**
Item #: Flangedclip 1/8
Item #: Flangedclip 5/16
Item #: Flangedclip 9/16

**Hammer-On Guides**
Cable guide for steel flanges. Use on I-beams, C-channel and angle iron and more.

---

**Screw Eye Guide**
Stainless steel 7/32” ID with 3/4” long lag threaded stem. For wood and composite surfaces.

---

**EZ-Clip Guides**
All stainless steel form for all surfaces. Use appropriate fastener (not supplied) to hold cable to surface.

---

**For Masonry**
HD self threading cable guide for masonry. Requires 1/4” diameter by 2” deep pre-drilled hole.

---

**For Sidewinders**
Red anodized aluminum socket that seats all Sidewinder cable guides without over tightening.

---

For more information go to www.nixalite.com/nettinghardware.aspx

Website www.nixalite.com    Email birdcontrol@nixalite.com
Net Rings and Ring Tools

Use net rings to attach bird netting to perimeter and support cables, install net zippers, join overlapped seams and make repairs in existing installations. Not recommended for use with PollyNet bird netting or single ply, extruded netting.

**Net Rings & Ring Tool**
- **Item #:** Net Rings
- **Item #:** Ring Tool

**Net Rings & Ring Tool**
Stainless 11/16” crown 16 gauge Net Rings in 2,500 count boxes for use with our hand operated, auto-feed P7 style Ring Tool.

**D-Rings & D-Ring Tool**
- **Item #:** D Rings 9/16
- **Item #:** D Ring Tool

**C-Rings & C-Ring Tool**
- **Item #:** C Rings
- **Item #:** C Ring Tool

**Net Rings & Ring Tool**
Stainless 9/16” crown 15 gauge D-Rings in 2,500 count boxes for use with our hand operated, auto-feed D-Ring Tool. Natural position, less hand stress.

**Air Powered Tool**
Stainless 3/4” crown 16 gauge C-Rings in 11,000 count boxes for use with our air powered, auto-feed C-Ring Tool that holds sleeves of 100 rings.

**To prevent gaps in a netting enclosure, use one Net Ring, D-Ring or C-Ring in every mesh of netting**

- **Cable attachment:** 1 ring per mesh
  - For 1/2” mesh use 24 rings per foot
  - For a 3/4” mesh use 16 rings per foot
  - For a 2” mesh use 6 rings per foot

- **Zipper attachment:** 1 ring per mesh both sides of zipper
  - Example: 2 ft zipper on 3/4” net uses 64 rings

- **Seam Fastening:** 1 ring per mesh each side of seam
  - Example: 10 ft seam on 3/4” net uses 320 rings

**Netting Zippers & Netting Tools**

Net Zippers allow fast and easy access to areas and objects that end up behind the installed bird netting. Available in black and stone color. Custom zipper lengths available. Fasten Net Zippers to bird netting with Net Rings.

- **HD marine grade zippers in 2, 4, 6 & 8’ lengths. To order stone color include “S” in the item number.**
  - **Item #:** Net Zipper 2
  - **Item #:** Net Zipper 4
  - **Item #:** Net Zipper 6
  - **Item #:** Net Zipper 8

- **Swaging Tool**
  - **Item #:** FBHSC350

- **Cable Cutter**
  - **Item #:** Cable Cutter

- **Crimps Ferrules**
  - Heavy duty swaging tool crimps 1/16” to 1/8” oval ferrules on to a variety of cable including the 3/32” Net Cable. Comes with wire and ferrule gauge.

- **Cuts Net Cable**
  - Heavy duty cable and wire rope cutter cleanly and quickly cuts multi-strand cables without frays or kinks. Cuts up to 1/8” diameter.

- **ST Scissors**
  - **Item #:** ST Scissors

- **Cuts Netting**
  - Heavy duty muscle shears cut bird netting of all types, leather, canvas, thin gauge sheet metal, carpet, rubber and more. One blade serrated for firm grip.

For more information go to www.nixalite.com/nettinghardware.aspx

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**Nixalite® of America Inc**
1025 16th Ave - E. Moline, IL 61244 - USA
Pioneered Bird Control in 1948

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F 800.624.1196 or 309.755.0077