



Nixalite's Premium Stainless Steel Barrier Spikes will prevent pest birds and climbing animals from landing, roosting, nesting or climbing on most surfaces. Only your imagination and ingenuity limit Nixalite's uses.

Nixalite's Premium Barriers must be installed properly to provide effective, long lasting control. These physical barriers protect only the space they occupy. Do not try to stretch the recommended quantities and spacing. Like trying to make a pint hold a quart, it's false economy.

If the surface is not completely protected, birds can simply land in the spaces left unprotected. On the other hand, installing too much Nixalite on one surface packs the wires together defeating the purpose of the wire designs.

Birds and climbing animals are smart, tenacious and persistent. Never underestimate them!

### Questions? Contact Nixalite!

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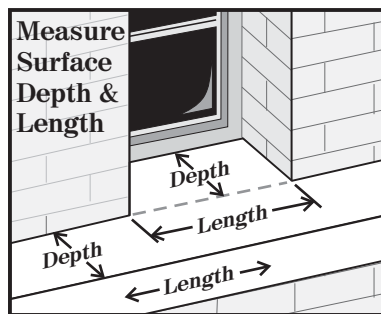
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# Planning A Successful Nixalite® Strip Installation

## For Premium Nixalite Barrier Models

### Pest Birds

1. Identify all pest bird species.
2. Study the structure for several days. Find all the areas where pest birds are landing, roosting and nesting. Note all areas protected from the elements.
3. Identify all spots above, next to or behind the problem areas where birds can land. Include these areas in your estimate. Note any overhanging branches or foliage. Plan to remove these before installing the Nixalite barriers.
4. Protect the entire surface, not just the outside edges. Do not leave gaps in the installation! Do not stretch recommended strip spacing.
5. Inspect proposed surfaces for bird droppings, nests, etc. All debris must be removed and the surface thoroughly cleaned before installation. If the surface requires repairs, make them before the installation. Include these extra procedures in your estimate.
6. Bird droppings often contain dangerous, disease causing bacteria. If heavy accumulations of droppings are present, make arrangements with a professional waste removal company for the safe removal of this potentially hazardous material.



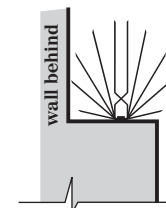
If necessary, divide complex areas into single surfaces. Figure Nixalite Premium quantities for each surface.

### Climbing Animals

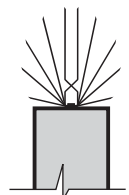
1. Identify all climbing animals.
2. Study the structure for several days. Observe the paths that the climbing animals take up and down the structure. Plan to install the Nixalite as a climbing barrier to prevent animals from using the observed paths.
3. An effective climbing barrier always consists of **6 rows of Premium Nixalite**. 2 rows of **Model W** (top and bottom) and 4 rows of **Model S**. Start the bottom row of the barrier 5 feet (1.5m) from ground level. This helps prevent animals from jumping past the barrier.
4. Climbing animals will jump past or go around an installation that does not have enough Nixalite or is improperly positioned.

### Measure Surfaces

1. Accurately measure and record the depth (front-to-back) and the length (end-to-end) dimensions of each surface. **Do Not** estimate or guess at surface dimensions from a distance or from the ground! Accurate dimensions are **CRITICAL** to the success of a Nixalite installation.
2. Determine if the surface is **Single Exposed** or **Double Exposed**. A Single Exposed surface has one side open. A Double Exposed has both sides open.



**Single Exposed**  
One side open



**Double Exposed**  
Both sides open

## How Much Nixalite?

1. Use the Surface Depth Specification Tables to determine how many rows of Premium Nixalite are required to properly protect each surface. Using the proper table, single or double exposed, find the surface depth range that matches your depth dimension. Record the number of rows required for that surface.
2. Multiply the length of the surface by the number of rows required. This will provide the quantity of Premium Nixalite strips required for that surface. Repeat steps for each surface.

## Surface Depth Specification Tables

Single Exposed			Double Exposed		
Surface Depth		Rows Required	Surface Depth		Rows Required
Inches	Centimeters		Inches	Centimeters	
0-2	0-5.1	½ row*	0-3.5	0-8.9	1 row
2-4	5.2-10.2	1 row	3.5-5.5	8.9-14.0	1½ rows*
4-6	10.3-15.3	1½ rows	5.5-8.5	14.0-21.6	2 rows
6-9	15.3-22.9	2 rows	8.5-13.5	21.6-34.3	3 rows
9-14	22.9-35.6	3 rows	13.5-18.5	34.3-47.0	4 rows
14-19	35.6-48.3	4 rows	18.5-23.5	47.0-59.7	5 rows
19-24	48.3-61.0	5 rows	23.5-28.5	59.7-72.4	6 rows
24-29	61.0-73.7	6 rows	28.5-33.5	72.4-81.5	7 rows
29-34	73.7-86.4	7 rows	33.5-38.5	81.5-97.8	8 rows

\*½ row indicates the use of Model H Nixalite. Whole numbers indicate models S Nixalite.

## Which Nixalite Model?

1. Generally, there are two things that determine which Premium Nixalite model to use.
  - A. The pest you are controlling.
  - B. The size and position of the surface.

Application	Model	Application	Model
Sparrows, Starlings	S Nixalite	Climbing Animals	S and W Nixalite
Pigeons, Seagulls	S Nixalite	<b>Size &amp; Position*</b>	
Vultures	S Nixalite	Less than 2" deep	H or W Nixalite
Mud Swallows	S and W Nixalite	Vertical (i.e. a wall)	W Nixalite

\*Some surface depths require Model H and Model S Nixalite. See Ledge Depth Tables.

2. Use the Premium Nixalite Model Application Table to find the model or models that best suits your needs.

## Mounting Hardware

1. Use the Surface to Hardware Table to find the hardware that best suits your installation surface.
2. Nixalite supplies mounting hardware with each Premium Nixalite strip order. Quantity is based on strip length. The Hardware Spacing Table shows the supplied quantities and the spacing between hardware units.

Installation Surface	Mounting Hardware
Masonry, stone, concrete, brick	Clip, nail & anchor
Wood, plywood, shingles	Clip, nail & washer
Sheet metal, plastic, PVC, fiberglass	Clip, screw & washer
Steel, cast iron, brass, bronze	Clip, drive screw & washer
Pipes, cables, conduit, screens	Wire tie, wire tying tool, adhesive*

\*Wire tying tool and adhesive are accessories and sold separately.

## Estimating Table

1. Use the table below as a worksheet when estimating for Premium Nixalite strips. If you need a full page worksheet, contact Nixalite.

## Hardware Spacing Table

Strip Length	Qty Supplied	Hardware Spacing Per Strip
48" (122cm)	6 Hardware Units	One at each end, four spaced evenly between
24" (61.0cm)	3 Hardware Units	One at each end, one in the middle
16" (40.6cm)	2 Hardware Units	One at each end
12" (30.5cm)	2 Hardware Units	One at each end*

\*Never use less than 2 Hardware Units per strip, no matter how short the strip. Additional mounting hardware can be ordered from Nixalite.

## Estimating Table

Surface Information		
Depth	Length	Surface Exposure
_____	_____	<input type="checkbox"/> OR <input type="checkbox"/> Single Double
_____	_____	<input type="checkbox"/> OR <input type="checkbox"/> Single Double
_____	_____	<input type="checkbox"/> OR <input type="checkbox"/> Single Double
_____	_____	<input type="checkbox"/> OR <input type="checkbox"/> Single Double

Find Nixalite Totals		
Rows Required	Surface Length	Nixalite Total
_____ X	_____	= _____
_____ X	_____	= _____
_____ X	_____	= _____
_____ X	_____	= _____