StealthNet™ Flameproof

Bird Barrier America, Inc.
20925 Chico Street
Carson, CA 90746
Phone (310) 527-8000, (800) 503-5444
Fax: (310) 527-8005
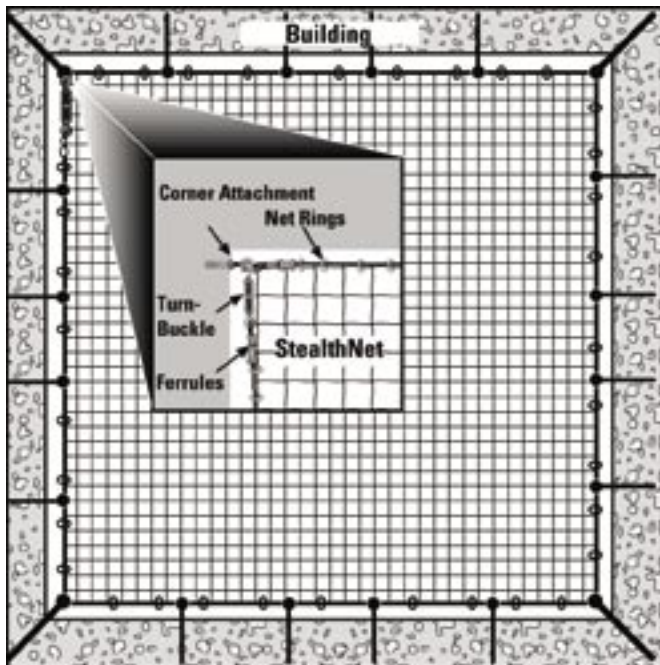E-mail: bbasales@birdbarrier.com
Web: www.birdbarrier.com

CSI Division 10296
Bird Barrier No-Flame StealthNet and Installation Systems

MR-MANUFACTURER

Bird Barrier America, Inc. manufactures No Flame StealthNet from UV stabilized strands of polyethylene plastic. Installation hardware is available in both galvanized and stainless steel options.

StealthNet installation schematic

PR-PRODUCT PRESENTATION

Total Bird Exclusion

Bird Barrier's StealthNet Flameproof systems offer total bird exclusion of sparrows, starlings, swallows, pigeons, gulls, crows and any other pest bird. No-Flame StealthNet is quickly becoming accepted as the standard where Flameproof netting for structural bird exclusion is desired.

Strong, Versatile Netting

The net is made from high density, ultra-violet stabilized polyethylene twine, a material that will last ten years or more if installed correctly. Because StealthNet is knotted from a strong cabled twine, it is more than five times stronger than plastic molded nets; it will not rip apart under normal stress or sag over time.

Invisible

No-Flame StealthNet's twine, while very strong, is actually very thin. And because it is black it will blend into the background of most buildings. Choose Flameproof when site or public safety is important. The final result is always a secure and permanent solution that is very hard to see.

Multiple Mesh Sizes

Because pest birds vary in size, StealthNet is available in different mesh sizes for different birds. For example, 3/4″ mesh for sparrows and swallows, or starlings, 2″ mesh for pigeons or larger birds.
Obviously, smaller birds can penetrate the larger mesh nets, so care must be taken to identify all of the pest birds correctly.

No Size Limit

StealthNet Flameproof is available in three pre-cut sizes, 25x25 50' x 50' and 50' x 100'. And, for no extra per-foot cost, it is available in custom sizes up to 500' x 500'. That means large net jobs can be installed without seams which take extra time and weaken the overall net job.

Access Behind Net

StealthNet zippers or net clips can be installed in the netting in any application to allow for access to enclosed areas, maintenance, changing of light-bulbs, etc.

Many Uses

StealthNet has literally thousands of applications including: courtyards, warehouse ceilings, bridge undersides, air conditioning enclosures, signs and billboards, church steeples, ledges, balconies, alleys, loading docks, hangars, patios, eaves, roofs, ponds, vineyards and faces of entire buildings.

Installation Hardware

StealthNet's comprehensive hardware has options for any mounting surface including stone, concrete, steel, wood, stucco and brick. A strong cable system is actually bolted or fastened securely to the building before the netting is installed. This insures a strong, solid, non-moving system that will not weaken over time. And because all fixtures are mechanical (no adhesives, Velcro etc.), you can be assured of an installation that will stand the test of time. Specialized tools for the netting and hardware are available from Bird Barrier.

StealthNet

Material: Ultra-violet stabilized polyethylene plastic
Construction: 3 x 2 ply. Three groups of two strands are

wrapped into a tight, rope-like group of six.
Breaking Strength: 50lbs per strand
Size: Mesh available in 3/4", 1-1/8", 2", 4" and 6"
Sizes: 25' x 25', 25' x 50', 25' x 75', 50' x 50', 50' x 75', and 50' x 100'. Unlimited custom sizes available up to 500' x 500'.
Colors: Black, white, stone (beige) and translucent

Installation Hardware
Corner Bolts: For wood, stone, steel etc. available in galvanized and stainless steel
Cable: 5/64" perimeter cable available in galvanized and stainless steel
Turnbuckles: Small, medium and large available in galvanized and stainless steel
Miscellaneous fasteners, brackets and clips. All additional mounting systems are available in galvanized and stainless steel

UA-USES, APPLICATIONS
Bird Barrier's StealthNet can be used to block access to any bird in or on any architectural structure. The net can be installed horizontally, vertically or literally any way necessary to accomplish the task of closing off access to unwanted pest birds like sparrows, starlings, pigeons, gulls, crows etc. StealthNet's anchoring system can provide for a permanent solution that is very hard to see.

AI-ASSEMBLY, INSTALLATION
The netting is available out of the box in many pre-cut sizes, colors and mesh configurations (see above). The comprehensive hardware system is available as required for the specific installation.

MF-MATERIALS, FINISHES
StealthNet Flameproof is made from ultra-violet stabilized polyethylene, while the hardware is made from both galvanized and stainless steel.

TS-TECHNICAL SUPPORT
Bird Barrier's knowledgeable field representatives are available to assist in any aspect of evaluation, product recommendation and even local certified installation. Call 800-503-5444, or fax drawings and other pertinent information to 310-793-1732. Free literature, catalogs, job evaluation worksheets and installation information is available.
Due to the complexity of the average StealthNet installation, it is highly recommended that the manufacturer is contacted directly, and that knowledgeable, certified installers be used to insure the best, long-lasting results.

No-Flame StealthNet's Thermal Properties
Softening Point: In the region of 250 degrees Fahrenheit.
Melting Point: In excess of 270 degrees.
May be heated for short periods up to 600 degrees
Flameproof: Meets NFPA 701 requiremenst to self extinguish.
Conformance testing data results is available for submittals.
Low Temperature: Retains its flexibility in freezing conditions.

StealthNet's Chemical Properties
Polyethylene, being a paraffin hydrocarbon, is inherently chemically inert and is highly resistant to a wide range of chemicals at ordinary temperatures. It does not rot and does not absorb water. Polyethylene fibers have a high resistance to acids and alkalids of all concentrations. They are insoluble in most common organic solvents at room temperature.

StealthNet's Electrical Properties
Polyethylene is an outstanding electrical insulator, especially to high frequency currents.

Effects of Insects and Micro-organisms
The fibers are not digested by insects and are completely resistant to bacteria, mildew and other micro-organisms. This makes StealthNet virtually rot-proof.

SPECIFICATION GUIDELINES

General
1.1 Description
1.1.1 Install Bird Barrier No flame StealthNet to block access to pest birds from any open area, opening or complicated bird roost, to prevent damage from droppings and nesting materials.

1.2 Quality Assurance
1.2.1 Obtain technical literature from manufacturer or distributor, telephone consultation and plan/photograph evaluation.
1.2.2 Utilize certified installation companies in your area who are fully skilled with Bird Barrier products, and carry the proper insurance coverage.
1.2.3 Utilize labor recommended by Bird Barrier for especially challenging applications.

1.3 Submittals
1.3.1 Submit manufacturer's samples, catalog cuts, shop sketches and other descriptive material.

1.4 Product Handling
1.4.1 Protect Bird Barrier StealthNet and hardware systems from damage before, during and after installation.
1.4.2 If damage occurs to Bird Barrier StealthNet, make all replacements immediately.

Products

2.1 Acceptable Manufacturer

2.1.1 Bird Barrier America, Inc., 20925 Chico Street, Carson, CA 90746. Phone 800-503-5444, 310-527-8000, Fax 310-527-8005, Web: www.birdbarrier.com

2.2 Model Designation

2.2.1 StealthNet Flameproof 3/4" Mesh in black with with blue telltale in 12/6 strand configuration.

2.2.2 StealthNet Flameproof 2″ Mesh in black 12/6 strand

Material

Material: Ultra-violet stabilized polyethylene plastic
Construction: 3 x 2 ply. Three groups of two strands are wrapped into a tight, rope-like group of six.
Breaking Strength: 48 pounds per strand
Size: Mesh available in 3/4″, 1-1/8″, 2″, 4″ and 6″
Sizes: 25' x 25', 25' x 50', 25' x 75', 50' x 50', 50' x 75', 50' x 100'
Unlimited custom sizes available up to 500' x 500'.
Colors: Black, white, stone (beige) and translucent

2.3 Mounting Systems

2.3.1 Solid steel: for corner attachments use Bird Barrier corner bolts with lock nuts or Bird Barrier multipurpose fasteners with powder actuated fire-in pins. Use Bird Barrier multipurpose fasteners with powder actuated fire-in pins, for intermediate attachments.

2.3.2 Steel I-beams: for corner attachments use Bird Barrier corner bolts with lock nuts and for intermediate attachments, use the appropriate size Bird Barrier girder clip.

2.3.3 Sheet metal: use Bird Barrier multipurpose fasteners with self-tapping screws for corner/intermediate attachments.

2.3.4 Brick, concrete and stone: for corner attachments use Bird Barrier expanding corner net bolts and for intermediate attachments use one of the following Bird Barrier attachments, open or closed net loop, net spike, or split pin and anchor rivet.

2.3.5 Wood: for corner attachments use Bird Barrier screw eyes and for intermediate fasteners use one of the following Bird Barrier spade screw, screw eye or split pin and anchor rivet.

2.3.6 Stucco: for corner attachments use either Bird Barrier corner net bolts or screw eyes and for intermediate fasteners use Bird Barrier Kwik togs with eye loops. For smaller installations it is possible to use Bird Barrier thin wire net clips for intermediate attachments.

2.3.7 Upon completion of installing corner bolts and intermediate attachments, using a Bird Barrier crimping tool and ferrules attach cable to a corner bolt. Then guide the cable through the intermediate attachments (straight runs of cable are the only acceptable way to install cable). At the opposite end of the cable run, a turnbuckle (opened all the way) will be installed using ferrules and a Bird Barrier crimping tool to tension the cable.

2.3.8 Special systems available where holes are not desired.

2.3.9 Special tools such as Bird Barrier Crimping tool and Hog Ring tool are necessary to insure the proper installation of StealthNet.

2.3.10 Correct intermediate attachment placement 2″ or 1-1/8″ StealthNet every 4 feet, 3/4″ StealthNet every 3 feet.

Execution

3.1 Examination

3.1.1 Examine installation area. Notify architect of detrimental work conditions.

3.1.2 Do not proceed until conditions are corrected.

3.2 Surface Preparation

3.2.1 Bird droppings shall be removed in a safe manner; large quantities shall be removed and disposed of by reputable waste removal companies. Work areas shall be cleaned, and repair work shall be done in areas which will be excluded by StealthNet.

3.2.2 Remove or repair articles that may damage the StealthNet after installation, such as tree limbs, brush, and loose parts of the building.

3.3 Installation

3.3.1 Install StealthNet as recommended by the manufacturer. StealthNet shall fit the area to be protected perfectly so pest birds cannot enter the protected area, and so the netting blends perfectly with the architecture.

3.3.2 StealthNet's correct mesh sized shall be specified to insure exclusion of the correct pest bird

3.3.3 StealthNet shall be installed "tight-as-a-drum" to insure a secure, long-lasting installation that is very hard to see. Loose installations will not stand the test of time, will look unsightly and may entrap birds.

3.4 Inspection

3.4.1 Visually inspect StealthNet for poor adherence to mounting surfaces, or other problems related to poor installation or surface preparation.

3.4.2 Repair as necessary immediately.

OM-OPERATION, MAINTENANCE

If the StealthNet is installed per our specifications, the product should be virtually maintenance free. Wind or rain will not damage the net as long as it is secured per our specifications. Ten year manufacturer's warranty against ultra-violet breakdown and defective workmanship for No-Flame StealthNet