



Post & Wire

AD – ADVANTAGES Post & wire is a discreet, low visual impact solution that is ideal for use on high profile buildings and structures where effectiveness versus appearance is a factor that must be carefully considered. Post and wire, once installed can be quickly refurbished after building decorations or alterations without having to remove the entire system. Wires springs and crimps can be demounted prior to works commencing and re-instated or replaced at minimal expense to the owner after works are complete.

DAD - DISADVANTAGES Post & wire systems are not appropriate for combating high pressure bird infestations where birds are roosting over night or nesting. Post & wire can be a complex and technical system to install when tackling intricate features on a building. Appropriate skills are required. If you are not experienced and require training we can supply you with training video that will explain the basic principals and rules of how to plan and execute a post & wire installation. Post and wire, whilst cost effective per linear meter of protection in terms of materials versus Anti-Perch Spikes or Bird Coil, can be a time consuming exercise to install due to the amount of drilling or bonding required, making it slower to install than some of our other ledge products. Post & Wire is highly susceptible to damage by persons needing access to the protected areas such as window cleaners, painters & decorators and maintenance personnel.

UA – USES, APPLICATIONS Post & Wire can be used against Pigeons & Gulls – Light to medium pressure (surface mount system – light pressure only). It can also be used against Corvids (Crows, Ravens, Jackdaws, Rooks and Magpies) Ideal for use on ledges, parapets, signs, beams, parapet copings, pipes, hand rails, gutters & roof ridges etc It provides the perfect solution for ornate building façades where the anti-perch system's visual impact is an important factor to be taken into consideration. It is also a very economical method to use on deep ledges and sills where anti-perch spikes may be too costly.

AI – ASSEMBLY, INSTRUCTIONS The basic concept is to place thin stainless steel wires, tensioned with springs, just above the ledge or other feature used by the birds. The wires present a physical barrier to the birds' normal landing behaviour and even if they do find a way to land, the unstable feel of the springloaded wires will deter all but the most persistent birds. The wires are held in position usually by vertically mounted stainless steel posts, but many other fittings have been developed to enable the system to be used in many different situations. The components used for the pigeons and gulls differ in that larger and more robust components are required for gulls. For information on post sizes and distance between posts, please see table below.

	PIGEONS	SEAGULLS
Height of front / leading edge wire	90mm	160mm
Post size to be used on leading edge.	110mm X 4mm dia. single head for low-pressure. 130mm X 4mm dia. double head for medium pressure.	180mm X 4mm dia. single head.
Height of wire in subsequent rows	130mm	160mm
Post size to be used on subsequent rows.	150mm X 4mm dia. single head.	180mm X 4mm dia. single head.
Distance between posts	Max 1.5m apart, can be less, but use a min of one spring per 1.5m run.	Max 3m apart, can be closer, but use a min of one spring per 3m run.
Distance between parallel rows of wire	65mm max	125mm max
Spring type	Standard Spring	Micro Spring
Wire type	0.45mm dia. Plastic coated to 0.70mm dia., breaking load 24.5 kg	0.96mm dia. non-coated, breaking load 93kg.
Crimp type	Nickle plated crimps	1mm copper crimps
Crimp tool	Post & wire tool	Ratchet crimp tool

MF – MATERIALS, FINISHES All components of the Post & Wire System are made from stainless steel. And are coated with UV stabilised nylon.

TS – TECHNICAL SUPPORT Enviroguard staff are all fully trained and are available Monday-Friday 9am – 6pm to provide full telephone support.



SPECIFICATION GUIDELINES

POST & WIRE EXECUTION GENERAL

1.1 DESCRIPTION

1.1.1 Install Enviroguard Post & Wire on exposed ledges where birds perch but do not nest, to prevent perching and damage from guano.

1.2 QUALITY ASSURANCE

1.2.1 Obtain technical literature from supplier, telephone consultation and plan/photograph evaluation.

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1.3 SUBMITTALS

1.3.1 Submit manufacturer's samples and other descriptive material.

1.4 PRODUCT HANDLING

1.4.1 Protect Post & Wire from damage before, during and after installation.

1.4.2 If damage occurs to the Post & Wire components, make all replacements immediately.

PRODUCTS

2.1 MODEL DESIGNATION

2.2.1 Post & Wire Posts

2.2.2 Post and Wire Mounting Systems

2.2.3 Post & Wire Stainless Steel Wire

2.2.4 Post & Wire Crimping Tool and Masonry Drill Bits

MATERIAL

POST & WIRE POSTS, SPRINGS, BRACKETS, CLAMPS

Material: 316 Stainless Steel

Height: Posts available – 90mm, 110mm, 130mm, 150mm, 160mm, 180mm Wire: 50m, 100m, 250m, 500m

2.3 MOUNTING SYSTEMS

2.3.1 Concrete, stone or brick by drilling into the substrate. Insert nylon anchor rivet into a hole 1" deep by ¼". Hammer the post into this fitting.

2.3.2 Steel, sheet metal, or concrete, stone or brick with no holes in substrate. Use stick on bases and silicone adhesive.

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.

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3.2 SURFACE PREPARATION

3.2.1 Ledges and mounting surfaces must be clean, dry and free of peeling paint, rust, bird droppings or other debris. Bird droppings must be removed in a safe manner.

3.2.2 Remove or repair articles that may damage the Post & Wire system after installation, such as tree limbs and loose parts of the building.



3.3 INSTALLATION

3.3.1 The first row of the wire should be no more than 20mm away from the leading edge and the posts should be bent out so that they and therefore the wire overhang the leading edge of the surface being protected. This should be accomplished by bending the posts once they have been inserted into the anchor rivets.



3.3.2 The complete ledge should be protected, not just the outer perimeter. Post & Wire is an anti-landing device, not a barrier. The second row should be placed 35mm back from the front row, and subsequent rows should be placed no more than 65mm apart. The distance between posts should be no more than 1.5m for Pigeons and 3m for Seagulls.

3.3.3 At every post there should be a spring and termination of the wire section using crimps. The next section simply continues from the same post.

3.4 INSPECTION

3.4.1 Visually inspect the Post & Wire for loose wires or other problems related to poor installation or surface preparation.

3.4.2 Repair as necessary, immediately.

OM – OPERATION, MAINTENANCE If the Post & Wire is installed per our specifications, the product should be virtually maintenance free. Occasionally birds might drop debris in the wire in an attempt to build a nest, but the debris should be released by natural forces. Nest building is a characteristic of heavy-pressure sites and if the birds attempt to nest upon the Post & Wire it has been mis-specified and should be correctly specified with Bird Spikes. See www.birdcontrol.uk.com for other alternatives for heavy pressure areas.