

## ShockStrip™

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CSI Division: 10290/10296  
FlyBye Shock Strip Electrifies Track System

### Manufacturer

FlyBye Bird Control manufactures ShockStrip track. It features two stainless steel strip conductors embedded in an ultraviolet stable PVC compound. The track is supplied with a high voltage, low ampere intermittent pulse from either a solar powered or 110 volt charge unit. Birds are not harmed by the charge but conditioned not to return. FlyBye's heavily insulated lead out wire delivers the pulsed current from the charge unit to the track.

### Presentation

ShockStrip electrified bird deterrent system is effective against all species of birds to deter them from loafing, roosting, and landing on ledges at all pressure levels. ShockStrip is recommended for high pressure or high visibility situations.

The track is glued or screwed in place and the strips are connected with stainless steel strip connectors. This same connector is used for track splices and wire to track terminations.

ShockStrip should be installed on the leading edge of an 8 inch parapet wall. If the wall is greater than 8 inches, additional rows may be needed. If the ledge is greater than 8 inches with a back wall, an additional track should be installed near the back wall. If the ledge is 6 inches wide, with a back wall, one row of ShockStrip should be installed at the leading edge. With all ShockStrip installations, addition of extra track is dependant on bird pressure.

The solar charge unit should be faced so that it receives the optimum amount of direct sunlight each day. The 110 volt charger needs to be installed out of the weather. An electrical outlet may need to be installed by an electrician.

Workers and unsuspecting individuals should be made aware of the ShockStrip system installation. Contact with the ShockStrip system will deliver a shock. Warning place cards should be installed in plain sight.

### Track

Material:	Ultra-violet stabilized PVC Two - 5/16" Stainless steel strips
Width:	1.24 inches
Height:	.125 inches
Roll Length:	50 Feet
Mounting:	Construction adhesive or metal screws

### Charge Units

<u>Solar FB6200</u>	<u>110 Volt FB6210</u>
Material: Durable thermo Plastic	Material: Durable thermo Plastic
Width: 5.75"	Width: 6"
Height: 9.25"	Height: 5"
Depth: 4.5"	Height: 2.5"
Mounting: Two - #10 Screws 4 volt rechargeable battery	Mounting: Two - #10 screws two- 1/16 Amp time delay fuses

### Application

ShockStrip can be used to deter all types of pest birds from loafing, roosting and landing on high pressure, high visibly exposed ledges. Intermittent pulses of electric current through the ShockStrip conditions the birds not to land on that ledge, encouraging them to move to other areas. ShockStrip can be used in multiple rows to cover any ledge width. No more than 6 inches should be left unprotected between strips on a ledge. ShockStrip is not recommended for areas where general public, children or flammable products may come in contact with the system. Little or no electrical knowledge is required to install the ShockStrip.

### Installation Assembly

Before ShockStrip installation can begin, a suitable mounting location for the charge box should be found. When possible, position the charge unit as close to the ShockStrip as possible. 110 volt chargers must be installed out of the weather or enclosed in a weather resistant box. Solar powered charges must face to capture as much direct sunlight as possible, without overhead obstructions. After the ShockStrip is laid out, lead wire is used to connect the strips to the charge unit. Charging units should be installed for ease of future maintenance.

ShockStrip is installed on walls, ledges or roofs with construction adhesive or screws. The adhesive will fasten the strips to any clean, dry, stable surface. Charge boxes, adhesive, connectors, lead wire and ShockStrip are sold separately.

ShockStrip corners are made from using stainless steel corner connectors. The stainless steel strips allow the formation of unusual angles. ShockStrip is run to the corner and cut to length. Use the adjustable strip connectors to achieve the desired angle. Repeat for both strips. In some cases a short length of lead out wire may be used to form a corner.

End terminations are made similar to splices except the lead wire is run to a junction block that is attached to a junction block connector. Additional lead wire connections can then be made at the junction block.

**In all handling of the ShockStrip care must be taken not to allow the stainless steel strips to separate from the PVC base. As with all metal products, hand protection should be used to prevent injury from stranding.**

### Material Finishes

ShockStrip is made from ultraviolet stabilized PVC embedded with 2 stainless steel strip conductors. The base is made of translucent, nearly invisible PVC. Lead wire is available in black color. It is made with special insulation to resist current arc through its jacket. It is the only type of wire that should be used with ShockStrip. Black charge boxes are made of durable thermoplastic.

### Technical Support

FlyBye's knowledgeable representatives are available to assist in all aspects of evaluation and product recommendations. Call 800-820-1980 or fax your drawings and other pertinent information to 425-821-5672. Free literature, catalog, work sheets and installation information is available upon request.

## Specification Guideline

### General

#### 1.1 Description

1.1.1 Install ShockStrip on exposed ledges where birds roost, loaf, or land to prevent damage from their droppings.

1.2.1 Technical literature can be obtained from manufacturer or distributor. Telephone consultation and plan evaluation with photographs are helpful.

1.2.2 Utilization of FlyBye certified labor is recommended for technically difficult situations.

1.2.3 FlyBye always recommends using certified installation companies in your area that carry proper insurance and licenses.

#### 1.3 Submittals

Submit manufacturer's samples, catalog, brochures, sketches and other descriptive materials.

#### 1.4 Product Handling

1.4.1 Protect ShockStrip from damage before, during and after installation.

1.4.2 Damaged ShockStrip should be replaced immediately.

1.4.3 Stainless steel strip separation from PVC can be pushed back into base, in most cases.

### Products

#### 2.1 Manufacturer

2.1.1 D&S Specialty Products

13609 NE 126<sup>th</sup> Pl. #120

Kirkland, WA. 98034

Phone: 800-820-1980 \* Fax: 425-821-5672

#### 2.2 Product Designation

2.2.1 ShockStrip 50ft roll FB6355

2.2.2 Solar Charge Box FB6200

2.2.3 110 Volt Charge Box FB6210

2.2.4 110 Volt Charge Box

CSA appvd FB6215

2.2.6 Lead Out Wire Black FB6121

2.2.9 Straight Connector FB6425

2.2.10 Corner Connector FB6435

### Material

#### ShockStrip

Material: Ultra-Violet stabilized PVC with 2 5/16" stainless steel strips

Width: 1.25 inches

Height: .125 inches

Roll length: 50 feet, extendable to any desired length or cut

Mounting: Construction adhesive or screws

#### Solar Charge Unit

Range: 400 Linear feet

Input Voltage: 4 Volt DC, .02 Amps, .08 Watts

Output Voltage: 8Kv +/-, 3 Amps +/-, intermittent DC Pulse

#### 110 Volt Charge Unit – UL Approved

Range: 400 Linear feet

Input Voltage: 110-120 VAC, .035A, 10W (UK version avail)

Output Voltage: 1.2Kv +/- 20% open circuit intermittent AC Pulse

#### Lead out Wire

Material: PVC insulation

Size: 18Awg stranded twin lead

Rating Voltage: 2500/5000 volts

Color: Black

### Adhesive

Use of a Silicone adhesive is recommended, such as Silicones Unlimited Silicone Adhesive Sealant 5005. Surfaces must be clear of all debris and dry for application. As always follow manufacturer's directions.

Color: non-specified

Application: method to be determined by installer to provide adequate adhesion.

### 2.3 Mounting Systems

2.3.1 Concrete, steel, and stone: Adhesive

2.3.2 Wood: Adhesive

2.3.3 Metal: Adhesive

### Execution

#### 3.1 Examination

3.1.1 Survey installation area. Notify architect/engineer of detrimental work conditions.

3.1.2 Proceed with work only after conditions have been rectified.

#### 3.2 Surface Preparation

3.2.1 Ledges and mounting surfaces must be clean, dry and free of loose paint, rust and other debris. Bird droppings shall be cleaned, removed and disposed of in a safe manner in accordance with local regulations.

3.2.2 Remove or repair articles that may damage ShockStrip after installation (tree limbs, loose items on building, etc.)

