

# ROOF DEFENSE SHIELD™ TRACK DEFENSE SHIELD™

**IMPROVED  
PROTECTION**  
No False Alarms

## ELIMINATE FALSE PERIMETER ALARMS

### PRODUCT OVERVIEW

The Roof Defense Shield (RDS) and Track Defense Shield (TDS) are active intrusion alarm systems designed to protect valued areas. Both products activate and notify based on any on-site contact generated by more than 40 pounds of pressure.

The Roof Defense Shield is constructed of three layers of rubber - we create a water neoprene resistant "pocket" that contains the pressure sensors and over that "pocket" we install an OSHA rated mat with a non-skid surface.

The Track Defense Shield is constructed of two layers of neoprene, the top layer meeting ASTM standards for fire and smoke resistance (ASTM E662 and ASTM C542), it is self-extinguishing so it can be used in any public transportation application.

Standard length for Roof Defense Shield is 25 feet but custom lengths are available. Joining multiple lengths is as simple as connecting the wires using water proof connectors.

### TECHNOLOGY:

The Roof Defense Shield and the Traffic Defense Shield product is imbedded with a specially designed electrical system that, in conjunction with the HS1 Controller, tracks intrusion and generates the precise location of that intrusion.

The unique specifications of the RDS provides detection when activated by pressure of over 40 pounds (18.15 kg). Small animals, birds, wind, rain or snow will not activate the Roof Defense Shield, thus eliminating intrusive (and expensive) false alarms.

### COMMUNICATION FUNCTIONS:

Using the the HS1 Controller, any intrusion can be set to activate an instant notification to security personnel, management team, police or the homeowner via fiber, ethernet, Wi-Fi, cell modem or microwave systems.

### WARNING FUNCTIONS:

Upon an intrusion, the HS controller system sends a timed response that can immediately activate up to eight activities. Our HS controller hands off a dry contact to your existing alarm panel to activate:

- Security Flood Lighting
- Horns
- Sirens
- Alarms

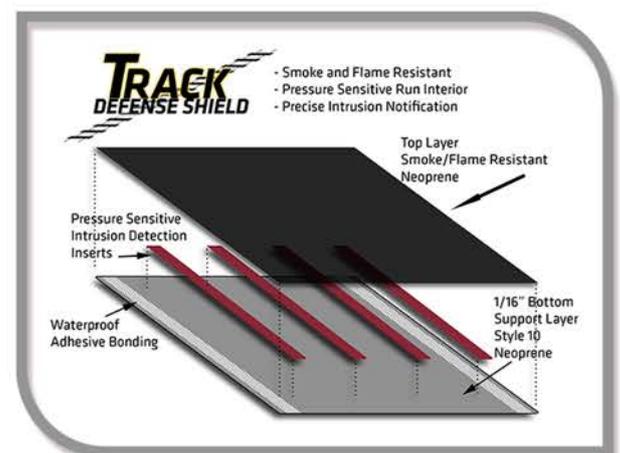
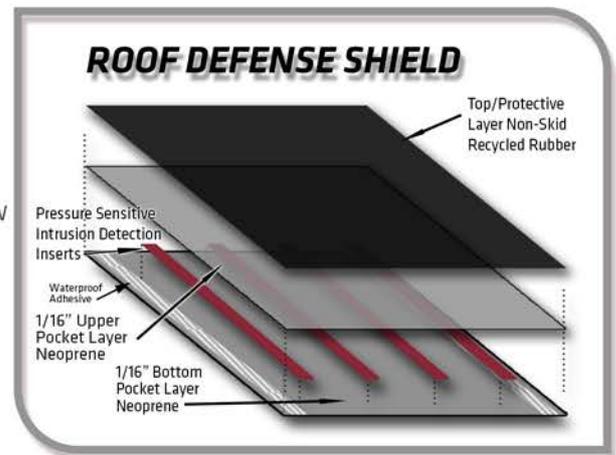
Alarms and security lighting can be timed devices that notify the site personnel residents of an intrusion and can be timed to turn off automatically.

### OTHER ACTIVATIONS:

The HS Controller notification function can activate existing cameras to start recording an intrusion in a specific zone.

#### Other products from Owl Cover

- IDS - Intruder Defense Shield
- TS - Traffic Shield
- TSA- Airport Traffic Shield
- GDS - Ground Defense Shield



Manufactured in the USA by:

**Owl Cover**

Encino, CA. (818) 532-4624

Palm Desert, CA. (760) 399-7419

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## MATTING MATERIAL SPECIFICATIONS

### Protective Pocket Layer

Material: Neoprene  
Temperature Range: -40° to +220°F

### OSHA Non-Skid Layer

Material: Recycled Rubber  
Temperature Range: -20° to +170°F

### Sensor Element

Material - External: PVC  
Material - Internal: conductive metal alloy  
Temperature Range: -40° to +112°F  
Operating Voltage: 32 Vdc/32 Vac Maximum  
Operating Current: 1 amp Maximum  
Standards: UL and cUL Recognized  
Operating Life: 5 million cycles

### Waterproof Adhesive Bond

Material: Silyl Modified Polymer (SMP)  
Temperature Range: -40° to +248°F

#### Standard Sizes:

Width: 36", 48", 72"

#### Length:

Roof Shield: 5', 10', 25'

Thickness: 1/16" - 3/4"

Exit Shield: 3' x 4'

Track Shield: 10', 25', 50'

Note: Custom sizes/thickness available upon request

- \* Ultra Thin Construction
- \*\* 40 pound Pressure Activation
- \*\* Intrusion Detection within 50 feet (with HS1 Controller)
- \*\* Excellent Solution for Chain Link Fence Problem Areas
- \* Long Distance Solution - HS1 Controller controls up to eight (8) two thousand foot sensor runs

School Entrance/Exit  
RDS Exit Product



Solar Protection  
RDS Rooftop Product



Skylight Protection  
RDS Rooftop Product



Transportation Station  
Track Defense Product



HVAC Protection  
RDS Rooftop Product



Neoprene Specs	TRACK DEFENSE SHIELD™	ROOF DEFENSE SHIELD™
Origin	Made in USA	Made in USA
Polymer	Neoprene	Neoprene
Temp Range	-40 to +220°F	-20° F to +170°F
Specifications:	Smoke & Flame Retardance RoHS Compliant	
<b>Physical Properties</b>		
Hardness (Shore A)	65 ± 5	40 ± 5
Tensile (psi)	1500	800
Elongation (%)	500	350
ASTM SPECIFICATION	ASTM E662 ASTM C542 (ASTM C1166 Procedure) Bombardier SMP 800 C Boeing BSS 7239 US 94VO	ASTM D2000 1BC 408, SAE J200 1BC 408, MIL R 3065 SC 408Z



#### HS1 Controller

Available with Ethernet, Fiber and/or optional WiFi

The HS1 Controller is tamper-proof, with an "always on" function, the internal battery & charging system maintains operation up to 6 hours in case of loss of primary power while sending you a "power interrupt" message.



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Additional information available upon request