

## PERIMETER SECURITY PRODUCTS

DIVISION OF SPIRIT OF AMERICA CORPORATION

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# Perimeter Security Veil (PSV)

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## Introduction

According to U.S. Army Field Manual (FM) 3-19-30, Physical Security to deter aggressors that are planning an exterior attack, visual surveillance, covert or forced entry operations should be deterred by blocking the perpetrators visual acuity into the facility. A Perimeter Security Veil used in conjunction with your security fence or barrier system will provide the additional security required around Mission Essential Vulnerable Areas, Sensitive Compartmented Information Facilities (SCIF), Enemy Prisoner of War (EPW) facilities and any other perimeter type security application.

## History

Realizing that there existed a need for an easily deployable and recoverable Perimeter Security Veil, the US Army Military Police School (USAMPS) developed the concept for the security veil system. A proposal was submitted to the Technical Support Working Group (TSWG) and accepted as a New Start effort for Fiscal Year 2005 (Annex A). TSWG processed this proposal, Task PS-1239-SOACORP-01.

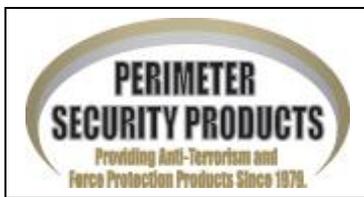
## Development

The Perimeter Security Veil has been developed exclusively by Creative Building Products as a commercial off the shelf (COTS) item to meet the requirements as identified by TSWG. Samples of the PSV have been submitted to TSWG and USAMPS for evaluation and testing.



Figure 2: PSV being evaluated (one each direction)

## Evaluation & Testing



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Evaluation and testing has been done at (3) separate locations on the PSV by TSWG and USAMPS. After completion of their evaluations and tests, the USAMPS has published an Early Users Appraisal (EUA) Report on the Perimeter Security Veil.

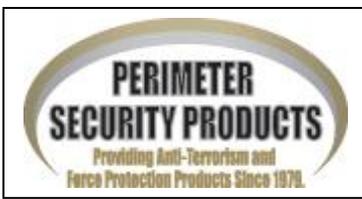
### Requirements

The EUA determined that this concept has merit for a unit to rapidly deploy as security veil to obscure the view of enemy forces. It listed the following as updated requirements for the Perimeter Security Veil:

1. The critical requirement for the PSV is that it will have the ability to see through the veil from the inside with the naked eye (threshold), binoculars, night vision devices and/or thermal viewers (Objective) and block the view from the exterior.
2. The PSV must have graphic design on the exterior to blend in naturally with the environments that the warfighters finds themselves in.
3. The PSV must be made of a material that is durable, washable, tear and flame resistant. The PSV must be capable of remaining in place and operationally effective for six months during differing climatic conditions before needing replacement.
4. The veil must be lightweight; all weather; wind, rain, Ultra Violet (UV) resistant; and capable of sustaining the current and future environmental conditions that the warfighter faces.
5. The PSV should be available in differing lengths and widths based in the warfighters requirements and comply with the requirements of FM 19-30 (Physical Security). The primary configuration and optimal length is approximately 10 meters and 7.5 feet in height.
6. The PSV must have the means of attaching to several types of materials (fencing, fighting positions, walls, gates, security towers, windows and doors) and be capable of supporting itself at anchor points during sustained winds at up to 74 mph.
7. The PSV should be easily attached to a number of surfaces using both field expedient measures as well as adhering materials such as; hook and pile tape, cable ties, type III nylon cord and pre-cut lengths of rope. The PSV should have anchor points every two feet on its perimeter.
8. Each ten meter section of the PSV should be deployable by two soldiers in less than ten minutes.
9. The accessories and tools needed to deploy and recover the PSV should include gloves, recovery/cutting device, fastening devices with enough replacement grommets or similar devices to repair one complete PSV at a minimum. These accessories need an operationally and convenient designated storage case or bag.
10. The combined weight of the PSV must not exceed the allowable operational lifting limits of the average soldier (60 lbs).
11. Components of the PSV should be standard Army inventory items (such as grommets, Zip-ties, type III nylon, etc.) to allow for greater logistical supportability.
12. Long term versions of the PSV for permanent security applications should have securing measures that secure the PSV along the 360 degree perimeter of the PSV, as well as supplemental anchoring points every eight feet vertically to attach the PSV to the fence support poles.

### Conclusions

The following USAMPS conclusions are quoted from the EUA report: "The goal of physical security is to protect facilities and building and assets contained inside the facility. The Perimeter Security Veil would greatly increase the warfighters ability to view the exterior of the perimeter and maintain concealment from enemy view. The PSV may be used to protect facilities that are crucial to national defense such as Tactical Operations Centers (TOC), Communications Command and Control (C3) facilities, aircraft, vehicle or towed weapons, Petroleum, Oil, Lubricants (POL) storage facilities and medical facilities. This



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EUA provided insights to further develop and support physical security and force protection requirements. The Results showed that the PSV is a very useful way of blocking the enemy's view of the valuable assets inside of a facility, while allowing the warfighter the capability of detecting and assessing targets on the exterior of the perimeter. An equally important application of the PSV is at temporary facilities or locations to prevent the threat force from observing and targeting friendly troops while allowing friendly troops the ability to view the exterior area.”

### Perimeter Security Veil

The PSV has demonstrated that it meets or exceeds the requirements as determined by USAMPS and listed in the EUA. The PSV can be quickly, easily and efficiently attached to fences, walls or various other Force Protection Items. An example of utilizing the PSV with a Force Protection item can be seen below. The guard will be able to see anyone approaching his position, but be totally obscured from their view.



Figure 3: PSV installed on Bunker Checkpoint



Figure 4: Guard is obscured from view

### Availability

The product is complete and ready for delivery. Our standard lead-time is approximately 30 days after receipt of order. Call for pricing and availability on the product. The Perimeter Security Veil will be submitted to GSA later this year.

### Contact Information

For additional information and pricing, contact Gerard Muegerl, Senior Project Manager, Creative Building Products, 260-432-7158, e-mail address – [gerard@soacorp.com](mailto:gerard@soacorp.com) and web page – ([www.soacorp.com](http://www.soacorp.com)).