

Shield's Magnum Series Covers Modernize Ground Combat Vehicle Asset Protection



The recent introduction of the Magnum Series line of Envelop[®] Protective Covers has received rave reviews from Soldiers, Sailors, and Marines in the armed forces. The light-weight, low-friction, and user friendly technology has revolutionized asset protection procedures.

Magnum Series covers are the most effective protective covers available in the world. To effectively stop corrosion, the largest preventable cost to DOD today, a cover must be waterproof, proficiently breathable, and incorporate Vapor Corrosion Inhibitors (VCI's). Envelop[®] Protective Covers are the only technology in the world that do all three. The new Magnum Series incorporates the same technology in a lightweight, easy to install, package.

Envelop[®] Magnum Series is available for a variety of ground combat vehicles. Designs have been created for the following platforms: M1 Series Abrams, M109 Paladin, M2A2 Bradley, ASV, Maxxpro RG-33, SCTV, HIMARS, MLRS, Cougar Cat I, Cougar Cat II, LAV, HEMTT Fueller, and M88A2. Designs are in progress for the M2A3 Bradley and Stryker.

Royal Navy Looks to Envelop® For Ship Board Protection



RN 250mm Searchlight 312074

In these times of austere budgets and an increased awareness of the Total Cost of Ownership (TCO) for naval vessels, Britain's Royal Navy is turning to Envelop® Protective Covers for both short and long term equipment protection. Until recently, Envelop® Protective Covers could only be found on the CIWS Systems on several large combatant and Royal Fleet Auxiliary (RFA)

vessels. Beginning in the fall of 2011, new covers have been designed and evaluations have begun at the Royal Navy Dockyard in Devonport, UK.

For the short term evaluation the Type 23 Frigate HMS MONMOUTH (F235) is being used. Covers are being tested for the Replenishment at Sea (RAS) winch, CHAFF Launchers, and two signal lights. Additional covers are also being designed for various crew served weapons found in the Royal Navy. The goals of the short term evaluation are to show that Envelop® Protective Covers will provide protection for the RN equipment in day to day use and will be readily accepted by ship's crews.

The HMS ALBION (L14) is being placed in a 36 month long lay-up period as a cost saving measure. Several pieces of critical deck equipment on board the ALBION that must remain operational during this period were selected for Envelop® Protective Covers. Since the ship will be manned by only thirteen personnel during this period, reducing the corrosion related maintenance is paramount to realizing the cost savings.

Discerning that Envelop® Protective Covers have been proving themselves on

board US Navy vessels, a decision was made to immediately develop covers for the Amphibious Assault Ship HMS OCEAN (L12). The covers will protect critical small boat handling and RAS equipment. The Royal Navy, through Babcock International Group and NAVFLEET Ltd, purchased a total of 72 covers for various winches, controllers, and hydraulic accumulator bottles. The first batch of covers was delivered in June, just prior to the start of OCEAN's security duties at the 2012 London Summer Olympics.

In addition to the Royal Navy, Envelop® Protective Covers are currently being used on ships of the Royal Canadian Navy, Royal Australian Navy, Royal New Zealand Navy, and the Japanese Maritime Self Defense Force.



RN 300mm Searchlight

Swedish Air Forces Procures Envelop® for New UH-60M Helicopters

In June, the Swedish Air Force through the Utility Helicopters Project Office for International Programs, purchased Envelop® Protective Cover sets for their 15 new UH-60M aircraft. The first part of this transaction came in April when Sweden purchased Envelop® M240 Machine Gun covers to be used with these aircraft. These were the first Foreign Military Sales of Envelop's® Army Aviation covers.

Sweden selected Envelop® Covers because of their proven track record within the US Army of durability and unparalleled environmental protection in all climates. Their purchase included the following covers: Full Cockpit/ Nose, Dash/Center Console, Main Rotor Head, Tail Rotor Head, Stabilator, Pitot Tube, CMWS Chaff/Flare and External Rescue Hoist.

In early September Mark Bechtel, the Army Aviation Team Leader for Shield Technologies, will travel to Sweden to conduct training on how to properly install, remove and care for the covers. This training is standard practice for Shield Technologies. It helps to ensure proper use of the covers and

maximize the benefits of Envelop's® protective qualities. This training is just one of the reasons Shield Technologies and Envelop® Protective Covers enjoy a reputation for providing a top quality product with superior customer service.



UH-60M Full Cockpit/Nose- 122037

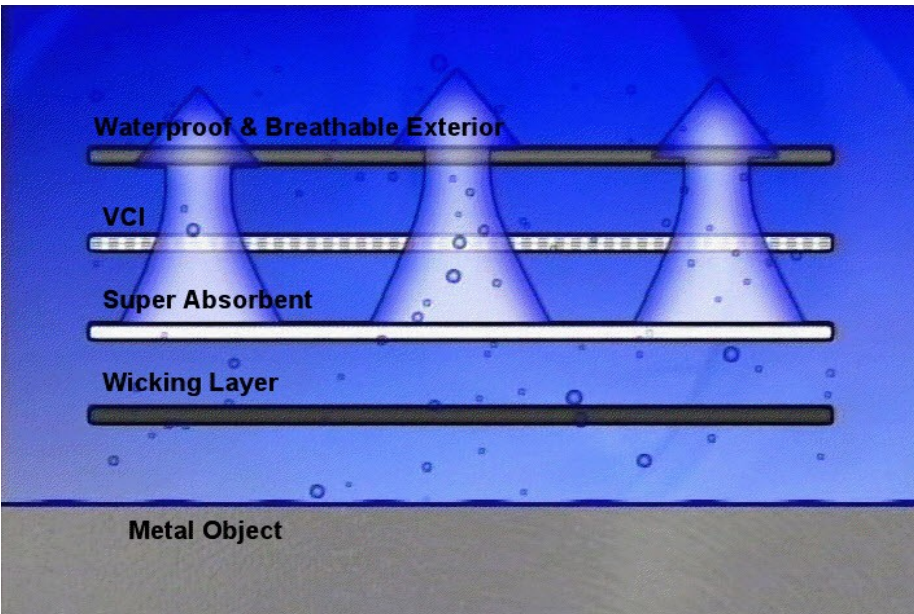
Envelop® Protective Covers for Industrial and Commercial Use

Most companies realize the importance and expense of indoor, air conditioned space. Whether it is used for storage of equipment, product, parts, raw materials, or manufacturing, it is a commodity that needs to be managed. Shield Technologies has found success bringing a new innovation to this market, outdoor storage systems using Envelop® Protective Covers.

Envelop® Protective Covers allow users to free premium indoor floor space by offering a low cost perimeter storage option for corrosion and exposure-sensitive items. The freed and uncluttered workspace comes at a fraction of the cost of "brick and mortar" facilities. This means that revenue generating floor space can be used for manufacturing helping to reduce corporate overhead along with the

costs-of-doing-business, while increasing productivity.

Businesses in the commercial and industrial sectors can now employ Envelop's® custom-fit soft covers to protect assets of any size or shape from harmful environmental elements. Not only do patented Envelop® Protective Covers reduce corrosion by up to 90%, they also protect from dirt, dust, UV rays, snow, and rain. The covers are resistant to oil and lubricants and are easily cared for with soap and water. With a proven track record in the US Military for over a decade, Shield Technologies is excited to take the next step and bring Envelop® Protective Covers to private industry.



Envelop's® Patented Layer Technology



CAT Storage Bin

Transit Design Completed for USMC's G-BOSS Lite

At the request of engineers from MARCORSSCOM, Shield Technologies has developed a transit cover for the latest and most sophisticated FOB surveillance system. The Ground-Based Operational Surveillance System (G-BOSS) Lite has entered the operational phase and is now in use in Afghanistan and CONUS.

This high tech surveillance unit has several expensive and sensitive components that can be damaged when the unit is towed down uneven terrain, exposing it to dirt, dust, rocks, mud, rain, and snow. Shield Technologies created a protective cover that can withstand the harsh conditions present while being towed, yet still provide world-class asset protection. Easily installed and removed, the cover will help increase the life-span, readiness,

and effectiveness of this critical component while reducing maintenance expenditures and downtime.



G-BOSS Lite- 123072

How to Get the Most Out of Envelop® Protective Covers

Envelop® Protective Covers are designed to provide your equipment with the best corrosion protection possible. However, if you don't take full advantage of the design and properties of the cover you are not getting the maximum protection available. Here are a few tips to help you get the most out of your Envelop® Covers:

- Make sure the cover is completely installed and in the correct orientation. (outboard facing outboard, top is facing up, etc.)
- Seal all openings using the cover's straps, flaps, and buckles in the cover to minimize the exchange of air under the cover. (If you keep letting damp air under the cover it will not dry out properly and the VCIs will not be as effective.)
- Do not drag the cover across the flight line, gun line, flight deck compound, gravel, or any other rough surface.
- When drying the cover off of the equipment, make sure it is secured to something to keep it from being blown away.
- When storing the cover away for a prolonged period, ensure that it is completely dry before placing it in the storage bag.
- Use the storage bag.

Following these simple steps will help provide the maximum benefits and service life for your Envelop® Protective Cover. For answers to other questions or further assistance with Envelop® Protective Covers please contact your sales representative listed in the adjacent column.



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No Reel Too Large: Shield Remedies Coil Tubing Reel Degradation Issue in Gulf of Mexico



Coil Tubing Reel Cover

One of the largest companies in the Oil and Gas industry recently approached Shield Technologies about creating a cover to protect an extremely large coil tubing reel. The coil tubing is used during drilling and needs to withstand the immense pressure that occurs in this process. The Oil Company was having issues with the coil tubing passing the strenuous pressure testing required before it is allowed to be used in the drilling process. The harsh environment of the Gulf of Mexico was causing corrosion on the inside and outside of the tubing, causing it to fail the testing procedure.

Envelop® Protective Covers provided the ideal solution to preserve the capital intensive reel and coil tubing. Engineers from the Oil Company and Shield worked together to create a cover for the extremely large reel. The diameter of the reel was nearly 20 feet and installation required the use of a crane. After several iterations the design was perfected. The cover has been installed for over six months and the Oil Company is very satisfied with the results.