

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.)
- When the cover is not on the equipment, do not expose the inner material to rain, puddles of water, snow, etc., or it will not dry out. (Yes, it will soak up that entire puddle of water!)
- 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 on the back page of this newsletter.

HH-60M Cover Set Receives Excellent Feedback From Soldiers

Shield Technologies received the following unsolicited comments from a Soldier after using the HH-60M cover set during a deployment:

"These covers are great! They're the only line of defense between the elements and our helicopters when storms roll in and threaten to beat them up. We use the nose and FLIR covers quite often in high wind and rain/hail conditions. The ability to adjust each strap keeps them tightly wrapped in the position I left them in. Prior to getting Envelop covers, I would come out to find the old covers flapping in the wind or scattered across the flight line 90% of the time. I am very impressed with the material; it is extremely rugged and has great waterproof capabilities. The ECS intake is infamous for gathering water, and the ECS plug seals nicely to prevent anything from entering. The padded stabilator cover works great during maintenance, keeping it well protected from falling objects which are a common hazard. The rescue hoist is crucial to our mission; the cover keeps out dust and water, keeping it clean and functional. Everything about these covers is tough and they are by far the best I have seen. Also, I want to thank you for taking the time to come out and conduct user training on the new covers before we deployed. Great customer service!"

– SGT, US ARMY, HH-60M Crew Chief, MEDEVAC Company (Presently Deployed to Afghanistan)

Shield Hits a Milestone With 50,000 Covers Delivered



John, Christian, and Mike package Envelop® Covers for shipment at the Eagan, MN headquarters.

Shield Technologies recently celebrated a milestone with the delivery of its 50,000th cover. We would like to thank all of our customers for giving us a chance to reach this momentous occasion. It would not be possible to celebrate this achievement were it not for all the excellent feedback and repeat purchases from our loyal customers.

In the future we look forward to providing unparalleled service in order to better address the needs of our customers. We will continue to bring forth innovative products and unique solutions to help our customers meet their needs.

A Sincere Thank You,
Shield Staff



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PROTECTIVE COVERS

A Product of Shield Technologies Corporation

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Shield Introduces "Envelop® Magnum Series" The Same Unmatched Performance, Now 35% Lighter



M1 Series Abrams Main Battle Tank-Part Number 123130

After extensive research and testing, Shield Technologies is pleased to announce the release of Envelop® Magnum Series. The new Magnum Series has been created to meet the needs of the ground combat community. This new product will provide the same unparalleled equipment protection against corrosion, rain, UV rays, dirt, dust, snow, and foreign debris; but is 35% lighter than traditional Envelop®.

The outer layer is waterproof and breathable. It allows moisture to evaporate out from underneath, but denies it the opportunity to penetrate the cover. There is a Vapor Corrosion Inhibitor (VCI) emitting layer beneath the outer layer. This prevents oxygen

molecules from bonding with the surface of the equipment, thereby reducing corrosion by up to 95%.

The inner material has also evolved to better meet the challenges of covering large objects. The new inner material has a significantly lower friction coefficient allowing the cover to easily be installed and removed. This material also has outstanding tear propagation characteristics, helping to extend the maximum usable life of the cover.

The new Envelop® Magnum Series covers are by far the most user-friendly, and effective covers on the market. These covers will reduce maintenance man-hour

requirements, increase readiness, and help extend the usable life of expensive equipment. Envelop® Magnum Series covers are available for the following platforms: M1 Series Abrams Main Battle Tank, M2 Bradley Fighting Vehicle, M 109A6 Paladin, Cougar Cat I, Cougar Cat II, Maxxpro, RG-33, SCTV, and ASV. With additional platform concepts in progress and an unmatched ability to create custom designs, Shield Technologies is the optimal solution for asset preservation.

Envelop Leads the Way In Field Artillery Protection

Envelop® Covers have been fielded to more than 50 field artillery units from the USMC, US Army, and Army National Guard. With Cover designs for the M777, M119A2, M109A6, M198, M101A1, HIMARS, and M270 MLRS, Envelop® has met the needs of the Field Artillery community. With proper use, Envelop® Protective Covers are a friend to every field artilleryman because they reduce



M119A2 3-Piece Set-Part Number 123048

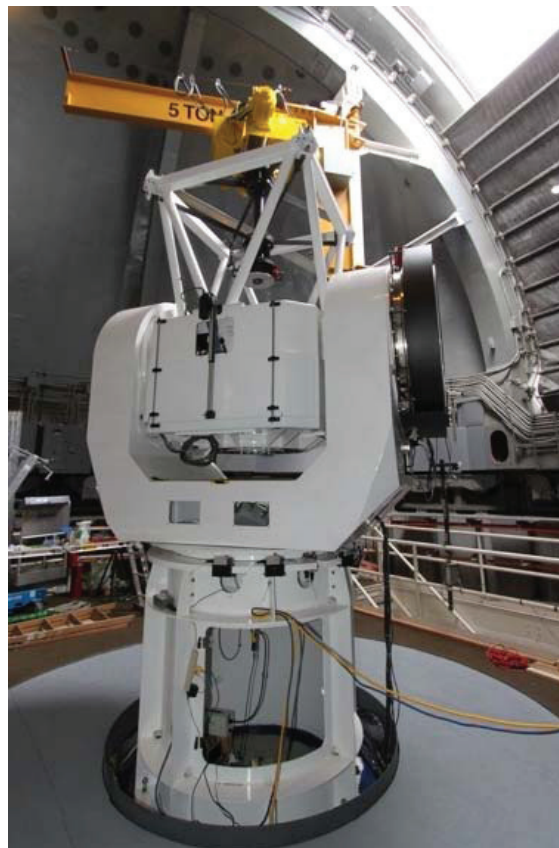
maintenance man hours. Combined with the lifecycle sustainment cost savings the covers provide, it is easy to see why Envelop® has become the standard of excellence in the field artillery community.

New Designs Protect Astronomer's Most Important Asset

Shield Technologies Corporation, the maker of Envelop® Protective Covers has recently extended its product line into the astronomy world with the development of a telescope cover. Concerned about preserving its capital intensive equipment, an observatory staff in the Southwest United States requested the custom-designed protective cover.

The staff at the observatory was worried about protecting its telescope in the event that the observatory doors failed to close properly. It can take millions of dollars and years to repair a telescope after exposure to the elements. Envelop® Protective Covers are a patented soft cover that provides protection from a wide array of elements.

The covers are waterproof, breathable, and impregnated with a vapor corrosion inhibitor. The combination of materials cuts corrosion by up to 95%. Envelop® Covers also protect assets from sand, dirt, dust, rain, and UV degradation.



TZEC Maun Telescope- Part Number 222001

Shield Technologies Corporation Completes E/A-18G Growler Outfitting

In February 2012, Shield Technologies Corporation completed delivery of Envelop® Protective Covers for all thirteen NAS Whidbey Island based E/A-18G Growler aircraft electronic attack squadrons.

Built by the Boeing Integrated Defense Systems Corporation, the E/A-18G is America's newest and arguably most technologically advanced aircraft. Because of their unequalled environmental

degradation protection and unique custom graphics, Envelop® Protective Covers were chosen by the Commander of the Pacific Electronic Attack Wing to cover over eighty aircraft. Each Growler received a canopy cover and a set of intake and exhaust covers.

The Navy's decision to outfit the E/A-6 Prowler's replacement- the E/A-18 Growler- with Envelop® Protective Covers guarantees a considerable reduction in overall maintenance hours expended and corrosion related maintenance costs. The covers also give NAS Whidbey Island's flight line a uniform and professional appearance.



F-18F-E/A-18G Canopy- Part Number 122058, F-18E/F-E/A-18G Left Intake- Part Number 122066, F-18E/F-E/A-18G Right Intake-Part Number 122067

Improved UH-1Y Set Completed to Meet USMC's Needs



UH-1Y Windscreen- Part Number 122092, Huey BRITE Star FLIR- Part Number 122091

The UH-1Y helicopter is the USMC's latest upgrade to the venerable Huey helicopter of the Vietnam era. This greatly improved helicopter entered service in 2008. As these new aircraft prepared for a USMC rite of passage, their first deployment with the MEU (Marine Expeditionary Unit), the need was recognized for protective covers. Shipboard deployments take place in some of the most severe environmental conditions on earth. Previous successful employment of Envelop® Protective



UH-1Y Full Tail Rotor Cover- Part Number 122096.1

Covers on legacy UH-1N and AH-1Y helicopters led to a request for a cover set for the UH-1Y.

A last minute change occurred when the first SatCom antenna, attached at the top of the main rotor head, was installed on one of the deploying aircraft. A rapid redesign allowed the unit to leave on deployment with a modified cover. A complete set of covers was developed including: canopy, Brite Star FLIR, main rotor head, tail rotor head, and 90 degree gearbox covers. Almost 100 sets of these covers are in service.

Because the design of the tail rotor makes them susceptible to water damage, the tail rotor cover is a critical need for these aircraft. After receiving feedback that improvement was needed to this cover, Shield immediately initiated a redesign. Relying on feedback and design ideas from HMLA 169, the redesign was completed in December, 2011. HMLA 169 used the covers during their tour in Afghanistan and thus was well acquainted with the existing tail rotor cover. The new design will do an even better job of keeping water off the blades, is easier to install/remove, has no absorbent material, and still works with the existing 90 degree gearbox cover.

Envelop Covers Protect Command Consoles for Three Straight Years

For the third year in a row, Envelop® has covered the AN/ASC 15E (Command Console). This vital equipment is mounted in either a single or dual configuration in the cabin of a UH-60 helicopter. It provides senior level commanders with communications to units on the ground, in the air, as well as a live UAV feed. The Envelop® cover for the 15E was designed in early 2009 by Shield Technologies in concert with Engineers from the Aviation Applied Technology Directorate (AATD) at Fort Eustis, VA. 112 covers have been purchased since the cover was first developed in May, 2009.

Recurring purchases like this are nothing new to Shield Technologies. Many units in the U.S. Army, National Guard, Army Reserve, as well as Program Managers have purchased Envelop® Protective Covers multiple times during the last three years.

This is a testament to the user-friendly cover designs, superior protective characteristics, and the world class customer service provided by Shield Technologies.



AN/ASC 15E Command Console-Part Number 122028