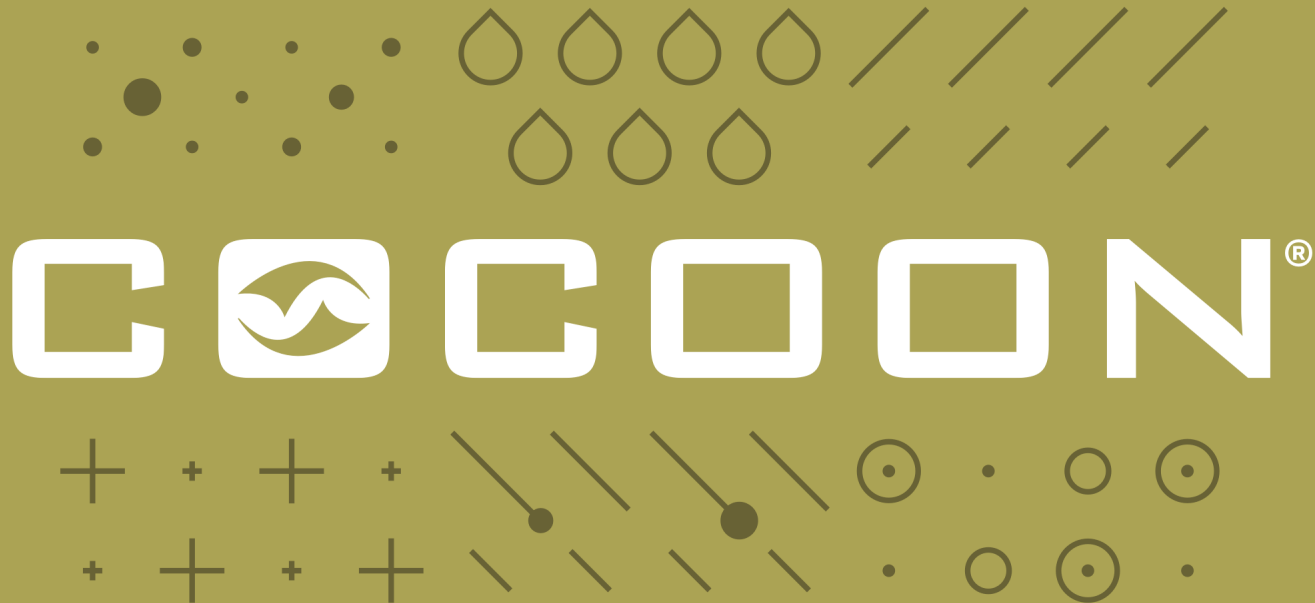


INTRODUCTORY BRIEF



Protective Covers

Technology in the Form of a Textile

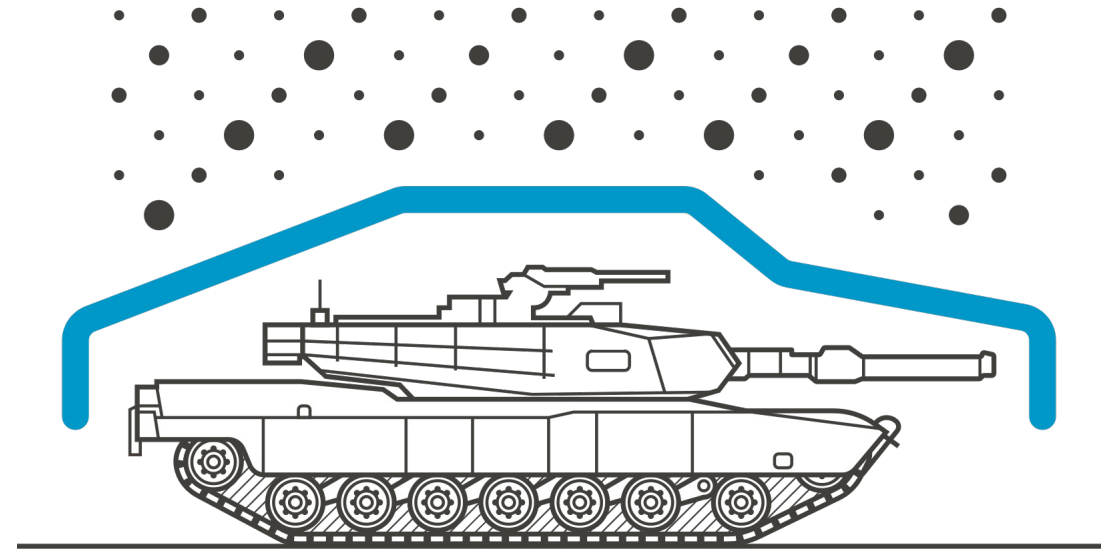
POC

Cocoon, Inc.
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Where **textiles** and **technology** meet

Protective covers are the most immediate and affordable way to protect critical assets from the elements and mitigate mold, mildew, and corrosion.

Utilizing highly technical textiles, Cocoon covers meet all the requirements of the AMRDEC Protective Cover Performance Specification, including air-permeability which prevents the “greenhouse effect” (which can actually accelerate corrosion).



🏠 Protective Covers

Applications



+ Rotary & Fixed-Wing Aircraft

+ Equipment

+ UAV

+ Ordnance

+ Vehicles

+ Watercraft

+ Artillery



Problem #1



Exposure to the Elements

The readiness of your equipment is under constant attack from the elements. Unprotected, your critical assets begin to rust and corrode almost immediately. Every day they're not covered, your readiness decreases and your maintenance costs increase.



Fine sand ("moon dust") degrades components and fouls lubricants.



Gun barrels are especially susceptible to rust.



Even the most rugged assets are no match for Mother Nature.



Corrosion can lead to structural weakness and failure.



“Corrosion affects all military assets, including 350,000 ground and tactical vehicles, 15,000 aircraft and helicopters, 1,000 strategic missiles, and 300 ships.”

The monetary cost of corrosion
to the DoD is enormous:



\$20 Billion

Annually

\$55 Million

Daily

Sources of Corrosion



RAIN



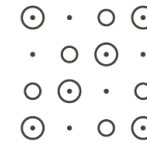
HUMIDITY



UV RAYS



SAND & DUST



MOLD



SALT



SNOW



WIND



EXTREME
TEMPERATURES



POLLUTANTS



Problem #2



Cover Material Deficiencies

The wrong cover materials often cause more problems than they solve. That's why a cheap cover ends up costing far more than it saves (a.k.a. the “Blue Tarp Problem”).

- + Covers that trap heat and moisture create a “greenhouse effect,” that causes corrosion.
- + Covers that absorb moisture can become unwieldy and even dangerously heavy.



- + Insufficient filtering lets in sand and dust.
- + Absorption of oils and lubricants leads to contamination of assets.
- + Use of Vapor Corrosion Inhibitor chemicals (VCIs) causes corrosion and risks soldier safety.
- + Covers that aren't hydrophobic can freeze in cold climates when they absorb moisture.

Cover Material Failures We Prevent



Mold forming on the inside of a cover due to lack of air-permeability.



Needless man-hours spent repairing fragile covers.



Poorly-fitted covers.



Mold due to moisture penetration and/or heat and moisture trapped under the cover.



Not meeting wind-whip standards.



Trapped water causing corrosion and damaging the cover.



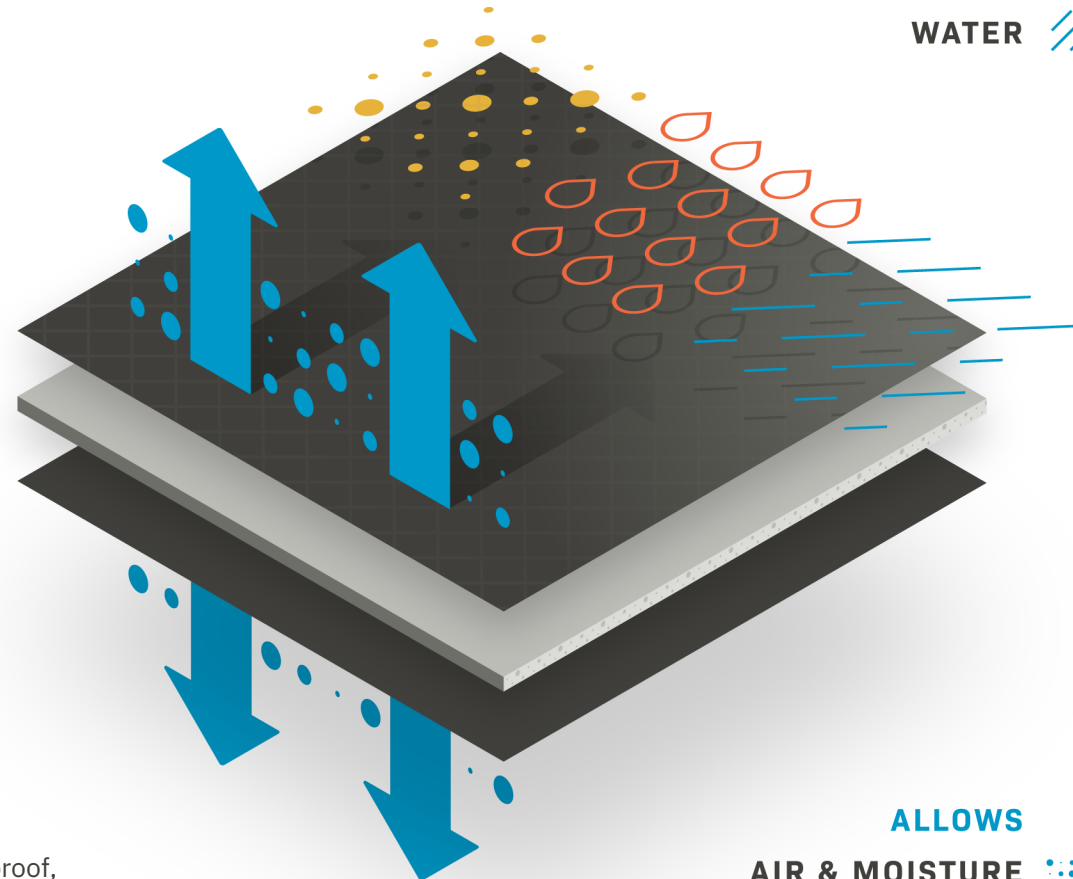
The Cocoon **Difference**



An R&D **Breakthrough**

- + Cocoon Protective Covers are the product of many years of lab testing and field testing in order to meet the AMCOM Protective Cover Performance Specification.
- + This patented cover material can best be described as advanced technology in the form of a textile.

Cocoon covers are waterproof, hydrophobic, and oleophobic while remaining highly air-permeable

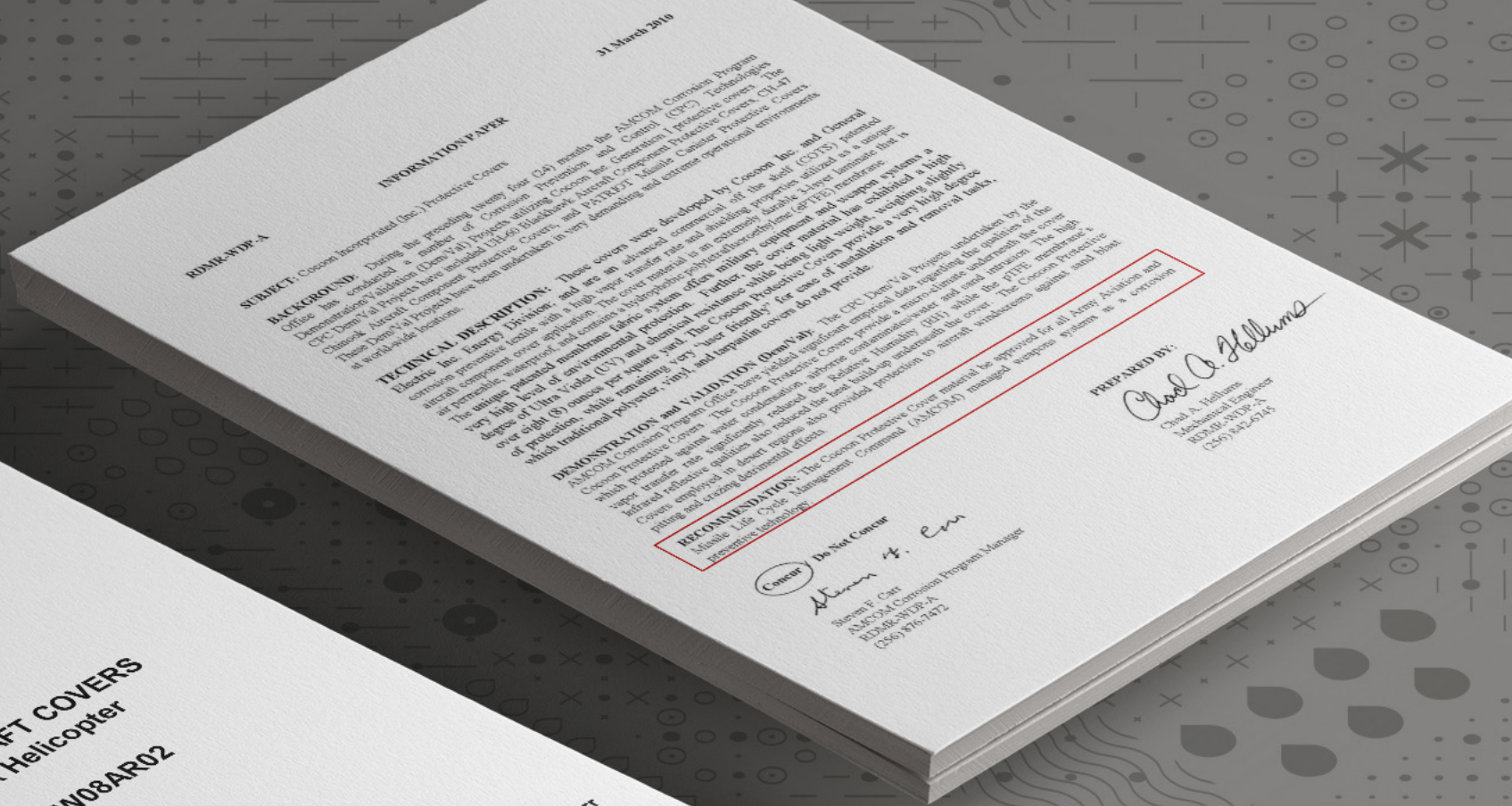


REPELS
SAND & DUST 
PETROLEUM & LUBRICANTS 
WATER 



ALLOWS
AIR & MOISTURE
VAPOR FLOW 

Cocoon covers meet every requirement of the **AMCOM Performance Specification**



RECOMMENDATION: The Cocoon Protective Cover material be approved for all Army Aviation and Missile Life Cycle Management Command (AMCOM) managed weapons systems as a corrosion prevention Technology.

Concur Do Not Concur



Cover Material **Features**

FEATURE	BENEFIT
AIR PERMEABLE:	Eliminates the “greenhouse” effect
WATERPROOF:	Inherently waterproof even in driving rain
HYDROPHOBIC:	Will not absorb water - wet weight equals dry weight
FREEZE-PROOF:	Will not freeze, or become brittle, even in extreme cold
SAND AND DUST PROOF:	Filters down to 0.3 microns (fine sand is 1 micron)
UV RESISTANT:	Exceeds ASTM G154 standard
SCRATCH PROTECTION:	Protects windscreens, lenses and coatings
OLEOPHOBIC:	Repels oils and lubricants
WASHABLE:	Can be washed with standard detergents
LIGHTWEIGHT:	Less than 12 oz/sq. yard for easy handling and stowage
INHERENTLY ANTI-STATIC:	Embedded ESD print prevents static build-up
DURABLE:	Hundreds of on-off uses in every climate
NO VCIs:	No use of hazardous Vapor Corrosion Inhibitor chemicals

Cocoon Protective Covers meet every requirement of the AMCOM Protective Cover Material Performance Specification, and include a 3-year warranty.

Proven Performance



MTVR Covers



Chinook Cover Kit



Bradley Covers



GET 35 Trailer Covers



M777 Two-Part Covers

Proven Performance



M109 Paladin Covers



MRAP Covers



M2 .50 Caliber Covers



Black Hawk Covers



Shadow UAV Covers

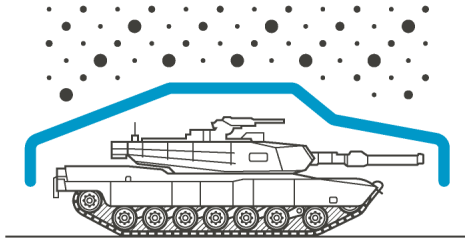
Conclusion

- + Protective covers immediately and cost-effectively protect critical assets from the elements (even the most rugged vehicles are no match for Mother Nature).
- + It's essential to select the right cover because the wrong material can actually create problems instead of solving them.
- + The AMCOM Protective Cover Performance Specification is your best guide regarding what properties an effective cover should include.

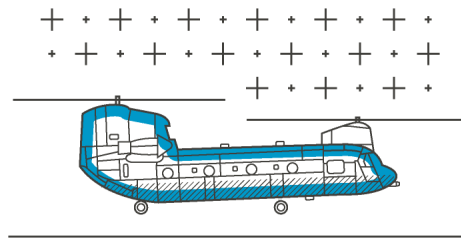


- + Cocoon covers meet each and every requirement of the AMCOM Specification.
- + Cocoon covers are used across all military branches and proven in every climate.
- + There are multiple procurement paths to make our covers easy to purchase.

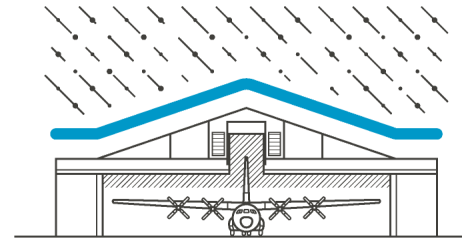
Increase readiness while reducing maintenance costs.



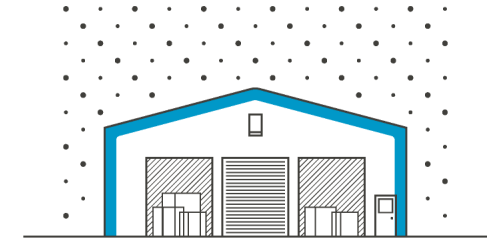
 PROTECTIVE COVERS



 AVIATION BLANKETS



 FABRIC STRUCTURES



 CORROSION-FREE ENVIRONMENTS