

CORROSION MITIGATING COVERS

DESCRIPTION

Patented technology developed by Transhield is used in the latest generation of military protective covers. Combining light weight and ease of use characteristics of classic vinyl and tarp covers with the durability, breathability and corrosion reduction capabilities of VCI products, these covers are an innovative solution to your sustainment challenges.

APPLICATIONS



Artillery



Power Generation / HVAC



Combat & Tactical Vehicles

MISSION READY

Transhield's unique non-abrasive composition protects military equipment from the elements during short- and long-term storage without causing damage to the asset. They keep equipment protected from the elements thereby reducing maintenance time and extending asset life.

WHY IT WORKS

WATERPROOF FABRICS – Moisture, rain, snow, and sleet will not penetrate the cover. Transhield products have proven effective in all climates.

ANTI-CONDENSATING – Moisture under the cover is pulled toward the outside of the cover via the capillary and moisture surface tension properties of the technology. Moisture is removed and relative humidity is reduced.

VAPOR CORROSION INHIBITOR (available) – Reduces corrosion by as much as 95%. Effective on multiple metals. Majority of VCI is emitted inward toward the protected equipment. VCIs do not contain nitrites, nitrates, or hazardous materials.

SOFT INSIDE – Aids in ease of installation and protects Class A surface and expensive CARC paint surfaces.

DURABLE – Service life of several years, even in the harshest environments.

LIGHTWEIGHT – Depending on the material, the weight is between 0.20 - 1.25 lbs per square yard. Most covers can be installed by one-two people.

CUSTOM FIT – Our design process ensures a custom fit cover that is reinforced at all wear points. Access points are developed in accordance with customer desires.

PROTECTION FROM ENVIRONMENTAL

DEGRADATION – Protects from the harm of UV rays, rain, snow, sleet, dust, sand, wind, and airborne pollutants (ash, etc.).

REUSABLE – Transhield XT and ArmorDillo® can be installed and removed on a daily basis. Storage bags are available for protection of cover or transport on vehicles when not in use.

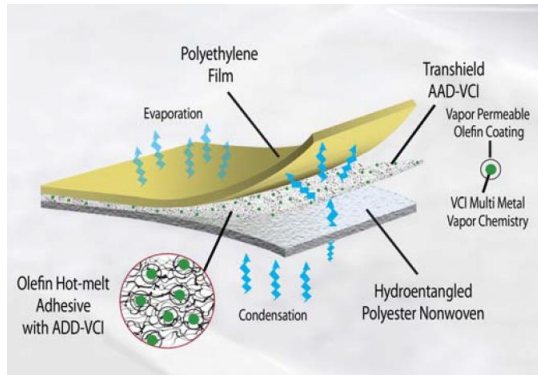
PATENTED – Protected by 12 patents - all developed and owned by Transhield.

Available in Canada exclusively from Tulmar Safety Systems

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TECHNICAL DATA

AAD-VCI CORROSION PROTECTION



- AAD (Adhesive Additive Delivery) System delivers VCI (Vapor Corrosion Inhibitor) or VpCI (Vapor Phase Corrosion Inhibitor) chemistry for the protection of metals and offers several advantages over conventional VCI/VpCI materials
- The majority of the VCI chemistry is emitted inward to expose only the enclosed environment to the VCI chemistry, allowing better control over metal passivating without wasting and emitting large amounts of VCI vapors (i.e., VCI emits one way)
- The VCI in the adhesive is held away from the metal by the porous nonwoven allowing the VCI/VpCI in cover to volatize before it reaches the metal, thus producing the optimal application of VCI to metal
- All military covers use “green” VCI technology – no nitrate/nitrite or hazmat • All materials use a combination of Capillarity and Moisture-Surface-Tension to remove moisture and lower relative humidity to a level at which corrosion is much less likely to occur.

FABRICS

XT

ARMORDILLO

COLORS	tan, green	tan, green, gray, red, blue, black
TOTAL THICKNESS	45 MIL	70 MIL
WEIGHT <i>lbs/yd²</i>	0.7	1.25
LINING	scrim reinforced nonwoven**	scrim reinforced nonwoven**
STRENGTH <i>Load bearing (lbs)</i>	135	700
EXPECTED LIFE <i>Years</i>	2 - 4	2 - 4
SHRINKABLE/ NON-SHRINKABLE	non-shrinkable	non-shrinkable
WATER VAPOR TRANSMISSION <i>g/m²/day</i>	5	1000

*Estimated Value

**Proprietary Transshield Product

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WHY VCI

Covers containing VCI have proven to be effective in fighting the formation of corrosion.

