

# RUST PREVENTION

## CORROSION MANAGEMENT SOLUTIONS



### WHY ARMOR?

*Armor Protective Packaging® provides the industry's cleanest, easiest, safest and most effective corrosion management systems for metal products to a global customer base. ARMOR's full line of vapor corrosion inhibitor (VCI) packaging products, desiccants and our rust removal and prevention liquids are designed to protect metals before, during and after transport or storage. ARMOR's industry reputation as a trusted business partner has been built by serving our customers and preserving their investments for more than a quarter-century.*



## ARMOR SHIELD®

### VCI Stretch Film

#### FEATURES AND BENEFITS

**ARMOR SHIELD® VCI Stretch Film** is an innovative corrosion inhibiting vapor corrosion inhibiting (VCI) stretch film for banding, wrapping, and unitizing loads. Our **SHIELD®** products line is a comprehensive collection of innovative and practical methods for delivering corrosion protection to your parts. All **SHIELD®** products can be customized to meet even the most demanding specifications.

**ARMOR SHIELD® VCI Stretch Film** comes in a variety of thicknesses and sizes. VCI Stretch film keeps metals looking clean and corrosion free while containing each load for maximum safety.

**ARMOR SHIELD® VCI Stretch Film** saves time and money compared to other wrapping methods. It is easy to use and no preparation needed. The multi-metal formulation keeps parts clean and free from corrosion in shipment or storage.



#### APPLICATIONS

**ARMOR SHIELD® VCI Stretch Film** is used for bulk loads of metal products; as a barrier around metal cages or bins, and around steel coils. It is ideal for operations with various pallet configurations that make bags difficult to stock.

Note: Be sure to cover the top of your load with a layer of ARMOR POLY® VCI film to contain vapors inside of the load.

# TECHNICAL DATA

## ARMOR PROTECTIVE PACKAGING CORROSION MANAGEMENT SOLUTIONS

### ARMOR SHIELD® VCI Stretch Film

#### Product Overview

Polyethylene stretch film impregnated with Vapor & Contact Corrosion Inhibitor (VCI) formulation for ferrous and non-ferrous metals on both sides of the film; designed for the long-term storage of ferrous and non-ferrous metals. Non-toxic.

#### Parameters

Gauge (range available: .0008" to .005")	.001" (+/-) 10%	
Tensile Strength (PSI) At Break	Score	
Units		
ASTM Test +D-882		
Machine Direction	4,841-7,140	lbs./sq. in./mil
Transverse Direction	3,925-4,530	lbs./sq. in./mil
Elongation – ASTM #D-882		
Machine Direction	640-1,106	percent
Transverse Direction	935-1,252	percent
Tear Strength – ASTM #D-1922-93		
Machine Direction	144-304	gf
Transverse Direction	640-976	gf
Type of VCI Compound	Multi Metal Protection	

#### Recommended Applications

Ferrous and non-ferrous metals including Steel, Iron, Copper, Brass, and Zinc. Cadmium and aluminum, galvanized (zinc plated steel and iron nickel) and nickel alloys should be evaluated in the usual method of handling.

Armor Protective Packaging® recommends testing your product's compatibility with our ARMOR SHIELD® VCI Stretch Film in vapor phase and as a contact inhibitor.

#### Proper Storage

Material should be kept in original wrapping or the equivalent during storage of partial rolls or sheets (overnight, weekends, and holidays).

**CAUTION:** Always wash hands thoroughly after handling this product and before eating.

All products manufactured Armor Protective Packaging® are warranted to be first class products and free from defects in material and workmanship. Liability under this warranty is limited to the net purchase price of any of such products proven defective or at our option to the repair or replacement of said products upon their return to us transportation prepaid. All claims on defective products must be made in writing 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. We make no warranty, express or implied, as to the suitability of any of our product for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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