

# RUST PREVENTION

## CORROSION MANAGEMENT SOLUTIONS



## ARMOR WRAP PAPER®

### 40PC™ VCI Paper

### FEATURES AND BENEFITS

**ARMOR WRAP® 40PC** is the automotive standard in poly coated ferrous protection paper Vapor-Phase Corrosion Inhibitors (VCI/VPI) are a class of chemical compounds that emit rust-inhibiting vapors into an enclosed air space to prevent corrosion on metal surfaces.

**ARMOR WRAP®** VCI papers utilize our proprietary ARMOR VCI Nanotechnology and are essential to keeping your shipments, stored items, and in-process metals protected and corrosion-free for years.

**ARMOR WRAP® 40PC** is a cost-effective barrier method ideal for high humidity and high temperature areas.

With service on 4 continents and in more than 25 countries, ARMOR is positioned to provide corrosion management solutions wherever and whenever you need them.

**FDA approval CTS 2010-5972**  
**RoHS / REACH Compliant**



### APPLICATIONS

**ARMOR WRAP®** papers are recommended for long-term storage of ferrous metals including steel and iron. All papers are available in cut sheets, rolls and paper bags with wax, poly-coating and reinforcement for the most challenging applications.

This product conforms to corrosion prevention requirements as specified in MIL-PRF-3420G and JIS Z 1535 Class 2.

Typical applications include metals needing a barrier from moisture or outside contaminants.

### 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.*



# TECHNICAL DATA

## ARMOR PROTECTIVE PACKAGING CORROSION MANAGEMENT SOLUTIONS

### ARMOR WRAP® 40PC

#### Product Overview

A 40# neutral pH, natural Kraft paper, coated one-side with low density polyethylene, impregnated with Vapor & Contact Corrosion Inhibitor (VCI/VPI) formulation for ferrous metals. Designed for long-term storage of ferrous metals and conforms to corrosion prevention requirements as specified in MIL-PRF-3420G and JIS Z 1535 Class 2. Sodium Nitrite and Calcium Chloride free. Non-toxic.

#### Parameters

Finished Basis Weight: (24"X36"X500)	54 (+/-) 5% (paper)
Mullen Burst Test:	36.2 psi minimum
Elmendorf Tear Test:	
Machine Direction:	68 g/ply
Cross Machine Direction:	71 g/ply
Moisture %:	4.5 to 5.5% (+/-) 1%
Minimum Active Chemical Weight:	1.0 grams per sq. ft.
Polyethylene Coating:	0.75 mil

#### Recommended Applications

Ferrous and non-ferrous metals including steel, iron, copper, brass, galvanized and zinc.

*Aluminum, cadmium, nickel and their alloys should be evaluated in controlled testing conditions or in the usual method of handling as there are many variations of these metals. Not recommended for silver.*

Armor Protective Packaging® recommends testing your product's compatibility with our ARMOR WRAP® 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). Classified as a thirty-six month minimum inhibitor protection when properly protected inside dry storage areas.

**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.

Published by: Armor Protective Packaging® Technical Services, April 15, 2015

F: Product Standards/Product Data Sheets/Word files-INTERNAL CONTROL DOCUMENT/ARMOR WRAP