



## CORROSION INHIBITING VpCI® POWDERS

# VpCI®-309 Pouch

## Corrosion Inhibiting VpCI® Pouch for Ferrous Metals



### PRODUCT DESCRIPTION

VpCI-309 Pouch contains a Vapor phase Corrosion Inhibitor (VpCI) powder for corrosion protection of ferrous metals in recessed areas, interior cavities, and voids. The pouches are constructed from breathable Tyvek® which allows the VpCI molecules to be emitted through the membrane and form a molecular layer on metal surfaces providing corrosion protection.

VpCI-309 pouch is easy to use: there are no chemical concentrations to calculate and no need for special equipment for application; just determine the number of pouches required per unit space. VpCI-309 Pouches provide a clean method for corrosion protection.

VpCI-309 Pouch provides an extremely efficient dry method to protect metals within an enclosed space. The VpCI vaporizes and adsorbs on all metal surfaces reaching all exposed areas including recessed sections and interior cavities.

VpCI-309 Pouches are available as a string of 50 pouches. Crimped edges may be cut to form smaller strings or even individual pouches on site. Custom orders are also available.

### FEATURES

- Does not contain silicates, phosphates, nitrites, or heavy metals
- Provides up to 24 months of continuous protection
- Vapor phase inhibiting action protects inaccessible and recessed surfaces
- If the VpCI layer is disturbed by moisture or opening the enclosed space, the layer is replenished by continuous vapor redeposition
- Protected products can be shipped to customers without removing protective VpCI film
- Prevents further corrosion of pre-coated and painted surfaces
- Clean and easy to use
- Provides protection to ferrous metals only
- LD<sub>50</sub> ORAL: 2100mg/kg of body weight (rat)
- String of pouches can be cut to form individual pouches or smaller strings

### TYPICAL APPLICATIONS

- Tubular structures, pipes, vessels, and turbines
- Internal surfaces of compressors, turbines, engines, tanks, boilers, and heat exchangers
- Dry lay-up of closed circuit cooling systems
- Equipment protection after hydrostatic testing
- Parts, components, and completed assemblies during shipping and storage
- Segmental concrete bridge tendons/cables

### METALS PROTECTED

- Carbon steel
- Stainless steel
- Aluminum

### METHOD OF APPLICATION

Determine the number of pouches required based upon the volume of space needing protection. Each pouch protects up to 1m<sup>3</sup> (35 ft<sup>3</sup>). Evenly distribute pouches throughout the space and close or seal enclosure.



## TYPICAL PROPERTIES

Form: Tyvek breathable pouch  
Appearance: White with green printing  
Dimensions: Each pouch is 6" W x 10" L x 0.5" H  
(15.3cm x 25.4cm x 1.3cm)  
A string of 50 pouches is 6" W x 500" L  
x 0.5" H (15.3cm x 1270cm x 1.3cm)

## PACKAGING AND STORAGE

VpCI-309 Pouches are available as a string of 50 units per carton. Do not store in conditions above 150°F (65°C). Close cartons between uses. The shelf life of unopened cartons of VpCI-309 Pouches is up to 24 months.

## FOR INDUSTRIAL USE ONLY

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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