



## CORROSION INHIBITING VpCI® POWDERS

# VpCI®-608 Powder

## Corrosion Inhibiting VpCI® System for Storage Tank Bottoms



### PRODUCT DESCRIPTION

VpCI®-608 is a Vapor phase Corrosion Inhibitor powder for corrosion protection of ferrous metals in recessed areas, interior cavities and voids, such as double bottom in storage tanks.

VpCI®-608 provides an extremely efficient dry or slurry 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.

### FEATURES

- Works with or without cathodic protection
- Does not contain phosphates, nitrites or heavy metals
- Provides continuous protection
- Provides monomolecular inhibiting layer
- Vapor phase inhibiting action protects inaccessible and recessed surfaces
- Protected products can be shipped to customers without removing powder
- If VpCI® layer is disturbed, the layer is replenished by continuous vapor redeposition
- Little or no surface preparation is required
- Prevents further corrosion of pre-coated and painted surfaces
- Easy to apply

- VpCI® layer does not need to be removed prior to processing or use
- Easily removed by air gun or water
- Accepted by Florida DEP (Department of Environmental Protection) as an alternate procedure to cathodic protection

### APPLICATIONS

- Double bottom of storage tanks floors

### METHOD OF APPLICATION

#### *New Tanks & Floor Replacement*

After tank pad construction is completed, VpCI®-608 powder should be applied at the rate of 1-2 Kg/10m<sup>2</sup> (2-4 lbs/100ft<sup>2</sup>). It should be spread evenly onto the tank pad. The floor plates can then be fabricated as normal. The VpCI slowly distributes itself uniformly throughout the base. At welds a small amount vaporizes, but condenses after cooling of the metal.

In the case of a concrete tank pad, VpCI®-608 is applied to the surface, or a modified form is mixed into the wet concrete.

#### *Existing Tanks*

1. Application of VpCI's in a powder form at the tank floor - tank pad interface.
2. Pumping liquid VpCI® slurry in the area between a tank floor and a lower floor or containment liner.

Consult Cortec for turn-key projects.



## DOSAGE

2-4 lbs/100ft<sup>2</sup> (1-2 kg/10 m<sup>2</sup>)

## LENGTH OF PROTECTION

After initial treatment re-application required within 5 years.

## PACKAGING AND STORAGE

VpCl<sup>®</sup>-608 is available in 100 pound (45 kg) lined drums. Store in a sealed container in a dry warehouse avoiding direct exposure to sunlight, with temperature not exceeding 150°F (65°C). Shelf life is up to 24 months.

## METALS PROTECTED

- Carbon steel
- Stainless steel
- Aluminum

## TYPICAL PROPERTIES

VpCl<sup>®</sup>-608

Appearance

White to off-white powder

pH

6.2-7.6 (1% aqueous)

## 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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