

## CORROSION INHIBITING VpCI™ POWDERS

# VpCI-308 Powder

## Corrosion Inhibiting Powder for Multi-Metals



### PRODUCT DESCRIPTION

VpCI-308 is a Vapor Phase Corrosion Inhibitor in powder form for corrosion protection of ferrous and non-ferrous metals in recessed areas, interior cavities and voids.

In addition to enhanced multimetal protection and water solubility, VpCI-308 also improves environmental friendliness via increased biodegradable properties.

### FEATURES

- Provides up to 24 months of continuous protection in contact and vapor phases
- Creates monomolecular inhibiting layer
- Vapor phase inhibiting action protects inaccessible and recessed surfaces
- If VpCI layer is disturbed by moisture or opening the enclosed space, the layer is replenished by continuous vapor redeposition
- Does not contain silicates, phosphates, nitrites or heavy metals
- Biodegradable
- Little or no surface preparation is required
- Easy to apply
- VpCI layer does not need to be removed prior to processing or use
- If necessary, powder is easily removed by air gun or water rinse
- VpCI layer does not interfere with operation of mechanical components

- Provides multimetal protection
- Commercial equivalent to MIL I-22110C

### APPLICATIONS

- Bottom plate protection of above-ground petroleum storage tanks
- Tubular structures, pipes and vessels
- Internal surfaces of compressors, turbines, engines, tanks, boilers and heat exchangers
- Dry lay-up of closed circuit cooling systems
- Equipment protection after hydrostatic testing
- Cavities and void spaces on ships, barges, offshore platforms, sewage plants, dams, etc.

### METHOD OF APPLICATION

Apply powder by dusting, fogging or sprinkling. After application, simply cover, close or seal the interior cavity or void. VpCI-308 is also readily water soluble, and can be used in wet applications.

Fogging is easily achieved with a low pressure air hose, and sandblast cup or VpCI powder applicator. Large, conventional sandblasting systems can also be used.

Note: A Powder applicator, specially designed fogging unit is available for purchase or rental. For more information please contact Cortec.

VpCI-308 can be easily removed by using a low pressure air gun or water rinse.

### DOSAGE

VpCI-308 protects up to 1 ft<sup>3</sup> (28 liter) of enclosed space per 0.3-0.5 oz. (8.4 - 14.2 g) of powder (300-500 g/m<sup>3</sup>).

For wet application use 0.5-2% by weight. VpCI-308 is readily water soluble.

## METALS PROTECTED

- Carbon steel
- Stainless steel
- Copper
- Brass
- Aluminum
- Cast iron
- Silver
- Galvanized steel
- Tinplate

## TYPICAL PROPERTIES

Appearance White to off-white powder  
pH 6-7 (1% aqueous)

## PACKAGING AND STORAGE

VpCI-308 is available in 5 pound (2.3 kg), 50 pound (23 kg) and 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.

## 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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