



CORROSION INHIBITING VpCI™ POWDERS

VmCI-307™ Powder

Corrosion Inhibiting Powder for Multi-Metals

PRODUCT DESCRIPTION

VmCI-307™ Vapor multi-metal Corrosion Inhibitor powder protects both ferrous and non-ferrous metals from corrosion in recessed areas, interior cavities and voids.

VmCI-307™ provides an extremely efficient dry method to protect metals within an enclosed space. The VmCI vaporizes and adsorbs on all metal surfaces, reaching all exposed areas, including recessed sections and interior cavities.

FEATURES

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

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

VmCI-307™ can be easily removed by using a low pressure air gun or water rinse.

DOSAGE

Protects up to 1 ft³ (28 liter) per 0.3-0.5 oz. (8.4 - 14.2 g) of powder (300-500 g/m³) of interior space.

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)
Solubility in Water at 20°C	< 1%

PACKAGING AND STORAGE

VmCI-307™ 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.



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Environmentally Safe VpCI™/MCI® Technologies

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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printed on recycled paper  10% post consumer

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