



VpCI® ADDITIVES FOR WATER TREATMENT



Cooling Tower Frog® Patented

PRODUCT DESCRIPTION

Cortec's Cooling Tower Frog is a Vapor Corrosion Inhibitor (VCI) powder packaged in polyvinyl-alcohol (PVA) water-soluble bags. It is specially developed for dry lay-up of cooling towers for seasonal, short, or long-term lay-up. Cooling Tower Frog is effective up to 12 months. This product offers an extremely efficient method of protecting multimetal in enclosed spaces. When the bag is cut open, the VCIs vaporize and adsorb on all metal surfaces - reaching even recessed areas and interior cavities. The VCIs form a strong, self-replenishing, protective, molecular layer on the metal. Designed for ease of application, Cooling Tower Frog enables an easy start-up.

FEATURES

- Provides continuous multimetal corrosion protection during lay-up period
- Provides three phase multimetal protection - vapor phase, liquid phase, and the vapor-liquid interface
- Protects inaccessible and recessed surfaces
- Requires little or no surface preparation
- No special preparation necessary prior to start-up
- Eliminates environmental hazards and disposal problems
- Reduces chemical consumption and cost
- Provides easy, convenient, hands-off application
- Enables safe handling
- Easy to apply
- Increased worker productivity
- Replaces hazardous oil-based products
- PVA bags are fully biodegradable

METHOD OF APPLICATION

Remove and discard outer barrier bag.

Dry lay-up:

Place bags flat into the cooling tower basin and slit open water-soluble bags to begin corrosion protection. Two bags treat up to 1,000 gallons or 3,800 liters (133.7 ft³ or 3.8 m³) of enclosed space.

Note: After application, the internal spaces should be sealed from the outside atmosphere.

DIMENSION

Bag 10" x 14" (25 cm x 35 cm)

PHYSICAL PROPERTIES OF POWDER

Appearance	White to off-white powder
pH	5.9-6.5 (1% in water)
NVC	98-100

PACKAGING AND STORAGE

Cooling Tower Frog is available in two 4 lb (1.8 kg) bags per box. Store in a sealed container in a dry and cool warehouse. Do not store in conditions above 150°F (66°C).



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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