

## PTC Emitters

### DESCRIPTION

PTC Emitters contain Migrating Corrosion Inhibitor (MCI®) powder for corrosion protection of post tensioning cables, ferrous and non-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. PTC Emitters 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. PTC Emitters provide a clean method for corrosion protection.

PTC Emitters provides an extremely efficient dry method to protect metals within an enclosed space. The MCI® vaporizes and adsorbs on all metal surfaces reaching all exposed areas, including recessed sections and interior cavities.

### PACKAGING & STORAGE

PTC Emitters are available in a size that protects up to 1m<sup>3</sup>. PTC Emitters are packaged in cartons of 50 units.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 Years



### FEATURES

- Does not contain silicates, phosphates, nitrites, or heavy metals
- Vapor phase inhibiting action protects inaccessible and recessed surfaces
- If the MCI® layer is disturbed by moisture or opening the enclosed space, the layer is replenished by continuous vapor redeposition
- Protected surfaces do not have to be cleaned prior to concrete or grout placement
- Does not affect physical properties of concrete or grout (set time, strengths, etc)
- Prevents further corrosion of pre-coated and painted surfaces
- Easy to apply

### METALS PROTECTED

- Carbon steel
- Stainless steel
- Aluminum
- Galvanized steel
- Zinc
- Copper

### TYPICAL APPLICATIONS

PTC emitters are designed to protect ferrous and galvanized PTC cables.

Successful usages include:

- Segmental concrete bridge tendons/cables
- Long term storage of Box Girder reinforcement
- Tubular structures, pipes, and vessels
- Equipment protection after hydrostatic testing
- Parts, components, and completed assemblies during shipping and storage
- Lay-up of construction sites

# PTC Emitters

## METHOD OF APPLICATION

Determine the number of pouches required based upon the volume of space needing protection. Evenly distribute pouches throughout the space and close or seal enclosure.

Unit Size Volume Protected	Pouch Dimensions
35 ft <sup>3</sup> (1m <sup>3</sup> )	6" x 7" x 0.5" (15.3 cm x 17.8 cm x 1.3 cm)

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