Packaging Design Considerations

VCI out-gassing from film

300 – 400 mm

300 – 400 mm

300 – 400 mm

300 – 400 mm

VCI VAPOR CORROSION PROTECTION

Location of VCI EMITTER DISKS INSIDE A LARGE VCI BAG of parts.

NO Silca-Gel Required for complete corrosion protection
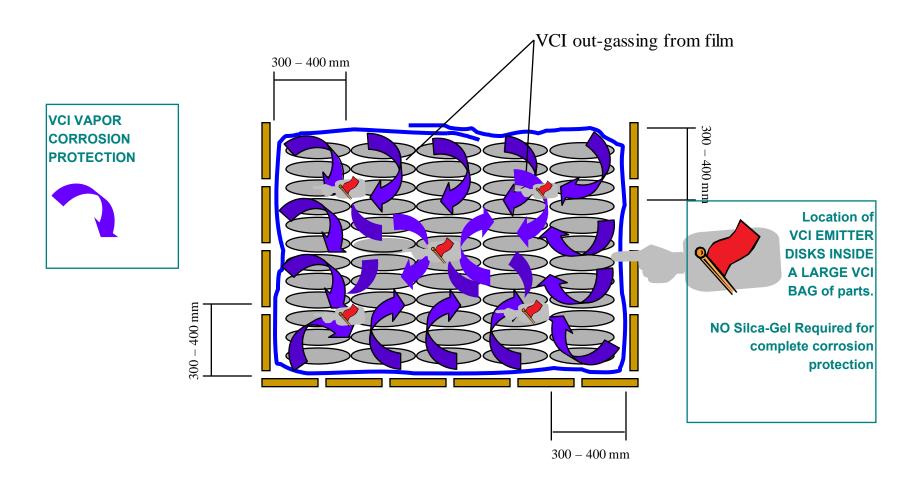
KPR Adcor Inc. 1-866-577-2326

Daubrite® Disk VCI Emitters

Product Description

Daubrite® 5 and Daubrite 10 disk emitters are corrosion-preventive devices designed for use inside packaging environments and enclosures. The protective vapors emitting from the disk volatize inside the space to form an invisible layer on the surface of the metal and prevent moisture, salt, dirt, oxygen and other contaminants from depositing on the metal and causing corrosion.

Corrosion Protection

Daubrite 5 protects up to 5.0 cu. ft. for up to 24 months
Daubrite 10 protects up to 10 cu. ft. for up to 24 months

Features

• Thin, lightweight disks can be positioned inside tight or restrictive spaces.
• Adhesive tape on the back sticks to metal cabinets, containers, walls, etc.
• Proven Daubert Cromwell corrosion inhibitor chemistry.
• Protects even in the presence of moisture.
• Effective on steel, copper, zinc and multi-metal parts.
• Economical.
• Safe and easy to use; no special handling required.
• Clean, dry corrosion protection
• Lasts for up to 2 years.
• **Now with National Stocking Number (NSN): D5 DISK - 6850-01-406-2060**
                                                        D10 DISK - 6850-01-408-9025

Typical Applications

• Exposed metals in junction boxes, control panels.
• Electronics and telecom equipment.
• Steel enclosures
• Utility boxes
• Tool boxes
• Gun cabinets
• Mechanical controls
• Alarm cabinets

Guidelines For Use

Packaging personnel should always wear gloves while handling metal parts. Parts should be clean and free of fingerprints before wrapping. Package your clean products as quickly as possible. The metal part should be no more than 12" from the VCI product. The closer to the metal, the better the corrosion protection. As a general rule, use 1 sq. ft. of VCI for every 1-3 sq. ft. of metal surface. Use at least one Daubrite 5 disk emitter for each 5 cu. ft. of void space; one Daubrite 10 disk for every 10 cu. ft. of space inside the cabinet, crate or box.

Physical Properties

Property	Typical Value Daubrite 5 disk	Typical Value Daubrite 10 disk
Corrosion Inhibitor Weight	6 grams (min.)	12 grams (min.)
Protection Volume	5 cubic feet	10 cubic feet
Total Product Weight	9.3 grams (avg.)	15.3 grams (avg.)
Dimensions:		
Diameter (inches)	2 3/16" Round	2 3/16" Round
Thickness (inches)	5/32"	1/4"

Storage

Store unused Daubrite disk emitters in a cool, dry place, away from direct sunlight.

VCI Emitter Disks   Keep Enclosed Metals Corrosion-Free

2-3/16 inches

Daubrite 5 Disk...............NSN 6850-01-406-2060

Daubrite 10 Disk............. NSN 6850-01-408-9025

Corrosion Inhibitor Products

Two sizes of VCI disk emitters that protect exposed metals in closed spaces. They are designed for use in junction boxes, control panels, and other enclosures and packaging containing electronic or metal equipment.

Like other VCI products, VCI emitters provide vapor corrosion protection to enclosed metal parts. When the VCI Emitter is opened, the VCI's seek the metal surfaces inside the packaging or enclosure environment and form a protective molecular layer on the surface of the metal. This layer prevents moisture, hydrogen sulfides, salt, dirt, oxygen, and other contaminants from depositing on the metal and causing damaging corrosion.

Plastic VCI Emitter Disks

VCI emitters are round, 2 ¾" diameter, made of VCI (vapor corrosion inhibitor) impregnated fibrous material. Strong adhesive tape on the back side of the VCI emitter provides fast and easy installation inside the cabinet, container, or box. VCI emitters can be stored in their original packaging to preserve the emitter until it is ready for use. VCI emitters release corrosion-inhibiting vapors into the enclosure environment when installed.

Each unit prevents metal corrosion for up to 2 years. It even comes with a convenient ready to use front side label for recording the date of installation.

VCI Emitters are used extensively inside control panels, fuse boxes, telecommunications equipment, alarm boxes, electronics cabinets, tool boxes, switchgear, telephone relays, electric panels, tool storage areas, firearm cabinets and wherever metal within an enclosure or package is subject to corrosion.

Two different models offer two different levels of protection. The Daubrite 5 model is designed to protect 5 cubic feet of enclosed space. The Daubrite 10 model works in a 10 cubic foot or less enclosed space. Both models are approved for military and commercial use.

They can be combined to accommodate larger cabinets and applications.

More Military Specification Products Click on the links below:

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