

Product Data

Daubrite®
Disk VCI Emitters

Description



Daubrite® 5 and Daubrite® 10 disk VCI emitters are corrosion-preventive devices designed to protect exposed metals inside packaging environments and enclosures. The corrosion inhibitors emitting from each disk volatilize inside the space to form an invisible layer on the surface of the metal to protect against corrosion-causing contaminants.

Daubrite disk emitters are round, non-woven fabric devices containing Daubert Cromwell multi-metal volatile corrosion inhibitor (VCI) formulation. Daubrite 5 protects 5 cu. ft., Daubrite 10 protects 10 cu. ft. Each has a piece of adhesive tape on the back for easy installation. When affixed inside the enclosure, the emitter vapors fill the air space to protect exposed metal surfaces from corrosion.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Effective on steel, copper, zinc and multi-metal parts
- Thin, lightweight disks fit inside tight or restrictive spaces
- Adhesive tape on the back sticks to metal cabinets, containers, walls, etc.
- Non-toxic, safe and easy to use; no special handling required
- Clean, dry corrosion protection
- Protection lasts up to 24 months when used in a dry, non-aerated environment.
- Compatible with Daubert Cromwell corrosion inhibitor paper, films, foam, and other emitter devices.

Typical Uses



- Exposed metal in junction boxes, control panels
- Electronics and telecom equipment
- Steel enclosures
- Utility boxes
- Tool boxes
- Mechanical controls
- Gun cabinets
- Packaging personnel should always wear gloves while handling metal parts. Parts should be clean and free of fingerprints before wrapping.
- Package 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. space inside the cabinet, crate or box.



Technical Data

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Physical Data

Physical Properties	Typical Value Daubrite 5 Disk	Typical Value Daubrite 10 Disk
Corrosion Inhibitor Weight	6 grams (min.)	12 grams (min.)
Protection Volume	5 cubic feet (5 ft³)	10 cubic feet (10 ft³)
Total Product Weight	9.3 grams (avg.)	15.3 grams (avg.)
Dimensions:		
Diameter	2 3/16" round	2 3/16" round
Thickness	5/32"	1/4"
Protective Properties		
Iron and steel alloys	Provides full protection.	
Aluminum and aluminum alloys	Compatible. Test for effectiveness.	
Zinc and zinc galvanized steel.	Provides full protection.	
Copper	Provides full protection.	
Tin	Provides full protection.	
Brass ¹	Provides full protection.	
Bronze	Provides full protection.	
Silver	Compatible. Test for effectiveness.	
Category A ²	Provides full protection.	
Category B ³	May protect. Test for effectiveness.	

1. Brass alloys in the "red" area containing up to 20% zinc will act like copper; brass in the "white" area containing over 20% zinc and will act like Category A metals.
2. Category A metals include zinc, cadmium, nickel, cadmium plated steel and nickel-plated steel.
3. Category B metals include lead, antimony, babbitt alloys, solder, magnesium or magnesium alloys.

Overall effectiveness of this device depends on factors including condition of the metal, method of packaging, handling procedures, surface area of the part(s) and the path that the VCI vapors need to take to reach the metal. Daubert Cromwell recommends that the emitter be placed as close as possible to critical metal surfaces.

Storage

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

Shelf Life

24 months from date of shipping, stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures, or stored outside. Storage outside these conditions voids this statement.

Approvals

- RoHS compliant
OEM approved
National Stock Numbers:
- D5 DISK - 6850-01-406-2060
 - D10 DISK - 6850-01-408-9025

WARRANTY The data, statements and recommendations in this product specification sheet are based on testing, research and other development work, which has been carefully conducted by us, and we believe such data, statements and recommendations will serve as reliable guidelines. Physical properties shown above represent typical values and are not intended for use in writing specifications. However, this product is subject to numerous uses under varying conditions over which we have no control, and accordingly, we do NOT warrant that this product is suitable for any particular use. Users are advised to test the product in advance to make certain it is suitable for their particular production conditions and use. All products manufactured by us are warranted to be first class material and free from defects in material and workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims

on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other material and products. We make no warranty, express or implied, as to the suitability of any of our products for any particular use, and we shall not be subject to liability from any damages resulting from their use in operations not under our direct control. This warranty is exclusive of all other warranties, express or implied, and no representative of ours or any other person is authorized to assume for us any other liability in connection with the sale of our products.

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