

Product Data



Daubrite® Corrosion Inhibitor 1F & 3F VCI Foam Emitters

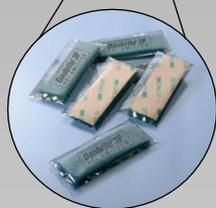
Description



Daubrite® 1F and 3F Foam Emitters are pieces of open cell foam saturated with proprietary Daubert Cromwell VCI corrosion inhibitor formulation that prevents corrosion on exposed metals inside closed spaces. The effective, invisible layer of VCI protection keeps metal safe from the corrosive effects of moisture, salt, dirt, oxygen and other contaminants in the environment. Adhesive backing allows easy, secure installation inside utility boxes, electronic equipment control panels, and electrical cabinets.

Open cell foam, 0.25" (0.6 cm) thick and cut into pieces 1" x 3" (2.5 cm x 7.5 cm) and 1.3" x 1.3" (3.3 cm x 3.3 cm), are typically used for corrosion protection inside telecommunications equipment, switch gears, instruments, voids and recesses inside large equipment, tool boxes and firearms storage cabinets.

Features



Proven Daubert Cromwell corrosion inhibitor chemistry

- Effective on steel, copper, zinc, galvanized steel, brass, bronze, and multi-metal parts.
- Small, thin, lightweight foam fits inside tight or restrictive spaces
- Peel-away adhesive strip backing adheres to virtually every surface
- Clean, safe and easy to use; no special handling required
- Non-toxic, safe and fully recyclable.
- Does not interfere with the performance of electrical or mechanical equipment
- Protection lasts up to 2 years when used correctly
- Daubrite 3F emitters are stamped and individually wrapped in clear, heat-sealed poly bags
 - Approved for use in military applications.
 - NSN-6850-01-338-1392.
- Daubrite 1F emitters are plain, bulk packed, sold 15 pieces per bag and 1,000 pieces per box.

Daubrite Foam is also available in 10" x 10" x ¼" pieces, 250 pieces per case; as custom sizes and rolls.

Typical Uses



Transport, export, storage of metals used in mechanical, electrical and electronic components and equipment that are subject to corrosive environments inside enclosures.

- Electrical panels
- Circuit breakers
- Utility boxes
- Telecommunications equipment
- Switch gears
- Telephone relays
- Electronic instrumentation and control panels
- Tools boxes and firearms storage cabinets
- Delicate metal instruments and fragile components
- Marine navigation and communications equipment
- Stacked metal parts inside totes and bins
- Components and assemblies with precision machined surfaces

Guidelines for Use



- Always wear gloves when handling metals.
- Parts should be clean and free of fingerprints before wrapping.
- Metal parts or electronics intended for VCI protection should be no more than 12" from the emitter.
- Place foam in a location closest to where you want the greatest amount of protection.
- Store VCI foam in original packaging, inside closed poly bag and box, until ready to use. Use immediately upon opening. Protect remaining foam pieces by closing the poly bag as soon as possible.
- VCI foam which has been exposed to the atmosphere should be discarded; use fresh product.

**DAUBERT
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Technical Data



Daubrite® Corrosion Inhibitor 1F & 3F VCI Foam Emitters

Physical Data

Physical Properties	Typical Values		Tappi Test Method
	Daubrite 1F	Daubrite 3F	
Color: Blue/Green			
Size Inches (cm)	1.3" x 1.3" x 0.25" (3.3 cm x 3.3 cm x 0.64 cm)	1" x 3" x 0.25" (2.54 cm x 7.62 cm x 0.64 cm)	
Protection cu.ft.(m ³) up to 2 years	0.5 cu. ft (0.014m ³)	1 cu. ft. (0.028m ³)	
Basis Weight lbs/ream (gm/sq. m)	95 (155)	95 (155)	T-410
Load Weight lbs/ream (gm/sq. m)	9 (15)	9 (15)	T-411
Standard Packaging	1000/Box	50/Box	
Standard with adhesive back (also available without adhesive)	<i>Bulk Packed</i>	<i>Individually Wrapped and Stamped</i>	

Protective Properties

Mild carbon steel and cast iron	Provides full protection in contact and vapor phases
Aluminum and aluminum alloys	Passive; test for compatibility
Zinc and zinc galvanized steel	Test for compatibility.
Copper	Provides full protection in contact and vapor phases
Brass	Provides full protection in contact and vapor phases
Bronze	Provides full protection in contact and vapor phases
Silver	May protect; test for compatibility
Category A ²	May protect; test for compatibility
Category B ³	May protect; test for compatibility

1. Category A metals include zinc, cadmium, nickel, cadmium plated steel and nickel-plated steel. These may be prone to contact corrosion sensitivity with inhibitor chemicals, but will be protected as shown in the vapor phase.
2. Category B metals include lead, antimony, babbitt alloys, solder, magnesium or magnesium alloys.

Storage

Optimal storage conditions for VCI foam is a cool, dry indoor environment, free of substantial airflow (i.e. drafts) and shielded from direct sunlight. Store VCI foam in original packaging, inside closed poly bag and box, until ready to use. Use immediately upon opening. Protect remaining foam pieces by closing the poly bag as soon as possible.

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

OEM approved
GSA CID A-A-5944II/2
Daubrite 3F: NSN-6850-01-338-1392



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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