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7090 VCI PAPER
Military grade

PRODUCT DESCRIPTION

A 70 lb./ream (114 g/m^2) natural kraft, saturated with Daubert Cromwell volatile corrosion inhibitor (VCI) formulation. Approved by the Dept. of Defense and on the Qualified Products List (QPL) for Mil-PRF-3420, Class 1, Style A, Form b (heavy duty, kraft, flat carrier impregnated with corrosion inhibitor.)

PHYSICAL PROPERTIES

Property	Units	Typical Value	Test Method
Basis Weight	lb./ream (g/m^2)	80 (130)	T-410
Caliper	mil (μm)	6.5 (165)	T-411
Mullen Burst	psi (kPa)	90 (620)	T-403

		MD	CD	Test Method
Elmendorf Tear	g/ply (N/ply)	120 (1.18)	145 (1.42)	T-414
Tensile Strength	lb./in (kN/m)	60 (10.5)	30 (5.3)	T-404
Elongation	%	2	5	T-494

INHIBITOR PROTECTION

Classified as six months protection when stored outside and properly protected from moisture and other environmental elements; 24 months minimum, inside dry storage.

Metal	Corrosion Protection
Mild Carbon Steel	Provides full protection in contact and vapor phases in compliance with Mil-PRF-3420.
Aluminum (1100)	Compatible, light protection in contact and vapor phases.
Zinc or Zinc Galvanized Steel	Not recommended[4]. May provide light protection. UWMPI or Uniwrap® 200 recommended.
Copper, Copper Alloys	Compatible. Coppertex® or UWMPI or Uniwrap 200 recommended.

Metal	**Corrosion Protection**
Brass, Brass Alloys[1]	Compatible. Coppertex or UWMPI or Uniwrap 200 recommended.
Bronze, Bronze Alloys	Compatible. Coppertex or UWMPI or Uniwrap 200 recommended.
Silver	Not recommended[4]. Silver Saver® recommended
Category A[2]	Not recommended[4].
Category B[3]	Not recommended[4].

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. These are prone to contact corrosion sensitivity with inhibitor chemicals, but will be protected as shown in the vapor phase.

3 Category B metals include lead, antimony, babbitt alloys, solder, magnesium or magnesium alloys.

4 “Not recommended” does not indicate incompatibility. Compatibility testing is always recommended. Our “not recommended” rating indicates that there may be more effective Daubert Cromwell products for these applications. Your sales representative can help recommend the optimal product for specific applications.

SMD: 5/1/02
Rev. 3/07 jb (company name, address, telephone, fax, web site only);
Rev. 11/07

The data, statements and recommendations in this product information 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.

WARRANTY – 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.