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PROTEK WRAP®
PW78CH

PRODUCT DESCRIPTION

A 78 lb./ream (127 g/m^2) natural kraft coated with Daubert Cromwell's ferrous, nitrite-free, volatile corrosion inhibitor (VCI) formulation. The paper is creped for 20-30% elongation in the machine direction. Designed for long-term protection of ferrous metals, including steel and cast iron, the crepe provides excellent contact in wrapping operations, especially large metal coils. The heavy-duty paper provides excellent physical strength characteristics.

PHYSICAL PROPERTIES

Property	Units	Typical Value	Test Method
Basis Weight	lb./ream (g/m^2)	100 (163)	T-410
Caliper	mil (µm)	27 (682)	T-411
Mullen Burst	psi (kPa)	24 (166)	T-403

		MD	CD	Test Method
Elmendorf Tear	g/ply (N/ply)	197 (1.9)	317 (3.1)	T-414
Tensile Strength	lb./in (kN/m)	24 (4.0)	13 (2.3)	T-404
Elongation	%			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.
Aluminum (1100)	Compatible, light protection in contact and vapor phases.
Zinc or Zinc Galvanized Steel	Not recommended[4]. May provide light protection. UWA or Uniwrap® 200 recommended.
Copper	Compatible. Coppertex® or UWA or Uniwrap 200 recommended.
Brass[1]	Compatible. Coppertex® or UWA or Uniwrap 200 recommended.
Bronze	Compatible. Coppertex® or UWA or Uniwrap 200

Metal	**Corrosion Protection**
	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 VCI® products for these applications. Your sales representative can help recommend the optimal product for specific applications.

SHELF LIFE

36 months from date of shipping.

This shelf life statement is only valid for product stored in the original shipping container used by Daubert Cromwell and not in high humidity and not at high temperatures. Storage outside these conditions voids this statement.

SMD:2/4/2004
Revised: 9/23/2008

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.

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