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Technical Data

PROTEK WRAP®
PC50H SCRIM

PRODUCT DESCRIPTION

A 50-lb. (80 g/m²) natural kraft coated with 1 mil of white low density polyethylene reinforced with tri-directional scrim. The paper is saturated with Daubert Cromwell's nitrite-free ferrous volatile corrosion inhibitor (VCI) formulation. Also compatible with copper, copper alloys and aluminum, PC50H Scrim is designed for use as sheeting material and interleaving between pallets and heavy steel rolls. It can also be used when the application requires higher strength and barrier properties than standard VCI coated kraft paper.

PHYSICAL PROPERTIES

Coating Deposition: 7.5 lb./ream (12 g/m².) sq. ft. minimum

Property	Typical Value	Test Method
Basis Weight (lbs./ream)	80 (130)	T-410
Caliper	12 (305)	T-410
Mullen Burst (psi)	52 (359)	T-403

	MD	CD	Test Method
Elmendorf Tear (g/ply)	289 (2835)	299 (2933)	T-414
Tensile Strength (lbs./in.)	42 (7.36)	14 (2.45)	T-404

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

Metal	**Corrosion Protection**
Aluminum (1100)	Compatible; light protection in contact and vapor phases
Zinc and zinc galvanized steel	May provide light protection; multi-metal inhibitor recommended (Uniwrap® MPI or Uniwrap® 200)
Copper, copper alloys	Compatible. Coppertex®, Uniwrap MPI or Uniwrap 200 recommended
Brass, brass alloys[1]	Compatible. Coppertex®, Uniwrap MPI or Uniwrap 200 recommended
Bronze, bronze alloys	Compatible. Coppertex®, Uniwrap MPI or Uniwrap 200 recommended
Silver	Not recommended. Silver Saver® or Silver Guard 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.

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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.

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