DAUBERT CROMWELL
The Leading Name in Corrosion Prevention®

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UNIWRAP MPI VCI CHIPS

PRODUCT DESCRIPTION

A 30-point bending chipboard, saturated two sides with Daubert Cromwell's multi-metal volatile corrosion inhibitor (VCI) formulation. Designed for protecting ferrous/non-ferrous metals combinations including cadmium and zinc galvanized steel.

PHYSICAL PROPERTIES

Property	Units	Typical Value		Test Method
Basis Weight	lb/ream (g/m^2)	335 (62)		T-410
Caliper	mil (μm)	30 (762)		T-411
Mullen Burst	psi (kPa)	106 (731)		T-403
		MD	**CD**	Test Method
Elmendorf Tear	g/ply (N/ply)	1600+ (15.7+)	336(3.3)	T-414
Tensile Strength	lb/in (kN/m)	100+ (17.5+)	34 (5.9)	T-404
Elongation	%	Did not break	3	T-494

RECOMMENDED USAGE

Protection volume up to 1000 liters (1 m^3)

INHIBITOR PROTECTION

Chips properly used are classified as 24 months protection in a dry, enclosed atmosphere.

Metal	Corrosion Protection
Mild carbon steel and cast iron	Provides full protection in contact and vapor phases
Aluminum	Passive; Test for compatibility
Zinc and zinc galvanized steel	Provides full protection in contact and vapor phases
Copper	Provides full protection in contact and vapor phases
Brass[1]	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]	Provides full protection in contact and vapor phases
Category B[3]	May protect; Test for compatibility

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.

SHELF LIFE

24 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: 01/06/11
SMD: 09/01/16

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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