12701 S. Ridgeway Ave
Alsip, IL 60803
USA

Toll free: 800-535-3535
888-846-4299
Fax: 708-293-7765

Technical Data
Tel: 708-293-7750
E-mail: info@daubertcromwell.com

Premium Metal-Guard®
VCI Adhesive Masking Film

PRODUCT DESCRIPTION

A polyolefin film coated with a custom formulated, water-based, pressure sensitive, acrylic adhesive system with multi-metal corrosion inhibitors infused in the adhesive matrix. The product characteristics are middle range adhesion peel values.

Film is designed to work as a barrier against surface scratches and marring that may occur during manufacturing, handling and transportation. It also provides active protection against corrosion. Film will adhere to multiple substrates. It is removed easily and does not leave a residue on the protected metal surface. Typically, corrosion protection lasts at least 6 months under controlled indoor conditions.

PHYSICAL PROPERTIES

	Typical Values	Test Method
Thickness (Gauge), mils	1.8	ASTM D-3652
Tensile Strength		ASTM D-882
Tensile at Break-MD, (psi)	3800	
Elongation at Break-MD (%)	350	
Adhesion (oz/inch@180° angle)	14.0	Modified PSTC #1
Film Backing	LDPE	
Adhesive Color	Water Clear	
Film Color	Daubert® blue or clear	

CORROSION PROTECTION*

Metal	Contact Phase
Steel, AISI 1010**	Protection
Cast Iron	Protection
Brass, Red or White	Protection
Bronze, including Naval	Protection
Copper**	Protection
Cadmium and Cadmium Plated	Protection
Stainless Steel, All Grades	Protection
Galvanized, hot dipped or electrogalvanized	Protection
Chromium and Chromium Plated	Protection
Nickel and Nickel Plated	Protection
Lead or Solder	Protection
Tinplate	Protection
Zinc or White Metal	Protection

* *Daubert Cromwell always recommends corrosion testing prior to actual use.*
*** Masking film will also provide some protection to 1010 steel and copper in the vapor phase.*

STORAGE AND APPLICATION CONDITIONS

Masking film should be stored and applied indoors at room temperature 60°-80° F (16°-27° C) and relative humidity levels between 30-70%. All products should be rotated so the "first-in, first-out" inventory method is utilized.

For best results, masking film should be applied to a clean, dry surface. Under moderate conditions, adhesive films will have up to a 6 month shelf life.

The data listed above reflects the average values obtained in testing. Various other environmental conditions will influence the end user's actual results - temperature at time of application, pressure of lamination, surface material to be masked (glossy, matte or textured) and humidity. It is best for the purchaser to test the suitability of the film under actual use conditions.

Daubert Cromwell offers many types of contact and vapor phase corrosion inhibitor packaging products. For assistance, call 800-535-3535, or info@daubertcromwell.com

09/2009 SMD

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.