



Technical Data

DISTRIBUTED BY: KPR Adcor Inc
1-866-577-2326
Fax 905-628-2529
www.kpr@corrosionvci.com

UNIWRAP[®] MPI UW35MPI

PRODUCT DESCRIPTION

A 35 lb./ream (57 g/m²) natural kraft saturated with Daubert Cromwell multi-metal Uniwrap[®] MPI volatile corrosion inhibitor (VCI) formulation. Designed for protecting ferrous/non-ferrous metals combinations including cadmium and zinc galvanized steel. (Note: Previous names UWA, Ferro-Pak 35MPI).

PHYSICAL PROPERTIES

Coating Deposition: 6.5 lb./ream (11g/m²) minimum

<u>Property</u>	<u>Units</u>	<u>Typical Value</u>		<u>Test Method</u>
Basis Weight	lb./ream (g/m ²)	40 (65)		T-410
Caliper	mil (µm)	3.8 (97)		T-411
Mullen Burst	psi (kPa)	29 (198)		T-403
		<u>MD</u>	<u>CD</u>	<u>Test Method</u>
Elmendorf Tear	g/ply (mN/ply)	59 (578)	64 (627)	T-414
Tensile Strength	lb./in. (kN/m)	27 (4.3)	15 (2.5)	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.

<u>Metal</u>	<u>Corrosion Protection</u>
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

UNIWRAP® MPI
UW35MPI

Metal

Copper

Brass¹

Bronze

Silver

Category A²

Category B³

Corrosion Protection

Provides full protection in contact and vapor phases

Provides full protection in contact and vapor phases

Provides full protection in contact and vapor phases

May protect; Test for compatibility

Provides full protection in contact and vapor phases

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.

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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