



## Technical Data

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### UNIWRAP<sup>®</sup> MPI UW30MPI *Preliminary*

#### PRODUCT DESCRIPTION

A 30 lb./ream (49 g/m<sup>2</sup>) natural kraft saturated with Daubert Cromwell multi-metal Uniwrap<sup>®</sup> MPI volatile corrosion inhibitor (VCI) formulation. Designed for protecting ferrous/non-ferrous metals combinations including cadmium and zinc galvanized steel. (*Note: Previous names UW30A, Ferro-Pak 30MPI.*)

#### PHYSICAL PROPERTIES

Coating Deposition: 6.5 lb./ream (11g/m<sup>2</sup>) minimum

<u>Property</u>	<u>Units</u>	<u>Typical Value</u>		<u>Test Method</u>
Basis Weight	lb./ream (g/m <sup>2</sup> )	38 (62)		T-410
Caliper	mil (µm)	3.7 (94)		T-411
Mullen Burst	psi (kPa)	21 (144)		T-403
		<u>MD</u>	<u>CD</u>	<u>Test Method</u>
Elmendorf Tear	g/ply (mN/ply)	51 (500)	57 (559)	T-414
Tensile Strength	lb./in. (kN/m)	19 (3.2)	11 (1.9)	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

Mild carbon steel and cast iron

Aluminum

Zinc and zinc galvanized steel

#### Corrosion Protection

Provides full protection in contact and vapor phases

Passive; Test for compatibility

Provides full protection in contact and vapor phases

UNIWRAP® MPI  
UW30MPI

**Metal**

Copper

Brass<sup>1</sup>

Bronze

Silver

Category A<sup>2</sup>

Category B<sup>3</sup>

**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.

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