JANUS INTERNATIONAL ROLLING STEEL DIVISION

Fact Sheet:

Janus International Tests Zinc Enriched Extreme Environment Protection Coatings

Actual un-retouched test samples
Shown at left are three 1.5" x 1.5" samples of structural guide material galvanized per ASTM A123. At right are three samples tested with the new Janus Extreme Environment Protection coating (EEP), a proprietary, baked-on, super tough factory process coating with high zinc content that defeats corrosion and decay more decisively than traditional galvanized steel.

Unlike galvanized steel guides and brackets, Janus EEP coatings may be painted or color powder coated if desired. And they won't discolor, oxidize and become distractingly "unseemly" with age like the various galvanized coatings so commonly specified in our market place.

Methodology: Concurrent salt spray exposure was as follows: Bottom pair of angles was the control with zero exposure. The middle pair of angles demonstrates the result of 174 continuous hours of salt spray. The upper pair of angles is the result of 360 continuous hours of salt spray – both exposures per ASTM B-117 using evaluation method D610.

Conclusion from the testing laboratory after 360 hours: Substantial oxidation and staining occurred on the galvanized product after 360 hours in salt spray cabinet. The film integrity and general physical appearance of the Janus EEP coating remained intact with only slight corrosion around thin film areas. It is our conclusion that the Janus EEP coated product conclusively outperforms the standard ASTM A123 galvanized product in accelerated salt spray testing.

Specify Janus EEP coatings for Extreme Environment Protection and for great looking finished installations. Your reputation is reflected in the products you select many years after the sale.

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Performance Testing

American Powder Coatings
420 South 38th Avenue
St. Charles, IL 60174
ISO 9001:2008 Certified Co.

Proj#: 177
Customer: Janus International

Below are comparative evaluations from accelerated salt spray testing for Janus International. Customer substrate (1.5" angle) was tested per ASTM B-117 using evaluation method D610.

Date: 07/6/10	**Customer:** Janus International
Date Coated: 06/07/10	**Date in Testing:** 06/14/10

Coating	DFT	Substrate	(x) Scribed	Remarks
Salt Spray				
Janus EEP	2.5 mils	Customer Material	No	Processed and cured at customer
Galvanized Per ASTM A123	N/A	Customer Material	No	Coating applied by vendor per ASTM A123

Salt Spray Results

		Rating		
Date: 06/30/10		**ASTM D610**		
Coating	**Hrs**	**Scribe**	**Field**	
				Remarks
Janus EEP	360	N/A	8	Blister Frequency – Few
Galvanized Per ASTM A123	360	N/A	1	Zinc oxidation and staining throughout substrate. Notable degradation of coating and appearance.

Conclusion:
Substantial oxidation and staining occurred on the galvanized product after 360 hours in salt spray cabinet. The film integrity and general physical appearance of the Janus EEP coating remained intact with only slight corrosion around thin film areas. It is our conclusion that the Janus EEP coated product outperforms the standard ASTM A123 galvanized product in accelerated salt spray testing.

For more information, contact a Janus International product specialist at 770.562.2850 or visit our website at www.janusintl.com.