

**KYNAR 500® or HYLAR 5000™ SPECIFICATIONS FOR  
GALVANIZED AND GALVALUME® COIL COATING APPLICATIONS:**

<b>FILE PROPERTY</b>	<b>TESTING METHOD</b>	<b>KYNAR 500® or HYLAR 5000™</b>
Colors available	---	See color chart on reverse side
Specular Gloss	ASTM D-523-80	Low and medium gloss only
Color Uniformity	ASTM D-2244-79	Color controlled both instrumentally & visually
Dry Film Thickness	ASTM D-1400-81, ASTM D-1005-84 *NCCA 11-13, 11-14, 11-15	Primer .25 ± 0.05 mil, topcoat .8 mil ± .05 mil
Hardness	ASTM D-3363-89, *NCCA 11-12 Eagle Turquoise Pencils	H.B. Minimum
Adhesion (X-Cut)	ASTM D-3359-90	No Adhesion Loss
Adhesion (Crosshatch)	ASTM D-3359-90	No Adhesion Loss
Direct Impact Flexibility	ASTM D-2794-84	Excellent, no removal
Reverse Impact Flexibility	Gardner Impact Tester, 1/10" Distortion *NCCA Spec. 11, ASTM D-2794-84 Gardner Impact Tester, 5/8" ball, impact force in inch pounds equal to metal thickness.	Excellent, no cracking, or loss of adhesion
Formability	ASTM D-4145	No cracks or loss of adhesion
Salt Spray Resistance	180° T-Bend on 1/8 Mandrel ASTM B-117-73 (1992)	Passes 1000 hours on H.D.G. Steel, 1000 hours on GALVALUME*
Humidity Resistance	ASTM D-2247 (1987)	Passes 2000 hours on H.D.G. Steel, 2000 Hours on GALVALUME*
Acid Resistance	ASTM D-1308-79 (1987) Proc. 3.1.1 10% Sulphuric acid spot test - 24-hour exposure	Excellent, no effect
Alkali Resistance	ASTM D-1308-79 (1981) Proc. 5.210% Sodium Hydroxide	Excellent, no effect
Abrasion Coefficient	ASTM D-968-81	100Liters/Mil topcoat
Detergent Resistance	ASTM D-2248 72 hours immersion 3% solution at 100° F.	Excellent, no effect
Resistance to Acid Pollutants	ASTM D 1308-87 Proc. 3.1.1 24-hour exposure 10% HNO <sup>3</sup> vapors	Excellent - no effect
Weathering - Color Retention	ASTM D-2244-89 20 yrs., 45° South Florida	Maximum 5 NBS units Color change
Weathering - Chalk Resistance	ASTM D-659-86 20 yrs., 45° South Florida	Rating of 8 Minimum
Erosion	20 yrs., 45° South Florida	Maximum 15% loss

**NOTES:**

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|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1. ASTM -- American Society for Testing Materials. | 3. *GALVALUME* is 55% Aluminum-Zinc alloy coated sheet steel and is a registered trademark of BIEC International, Inc. |
| 2. *NCCA -- National Coil Coaters Association      |                                                                                                                        |

**BERRIDGE SALES OFFICE & MANUFACTURING & BRANCH LOCATIONS**

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*Roofs of  
Distinction*

**Berridge Manufacturing Company**

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