

**METAL ROOFING**

S y s t e m s , I n c

TECHNICAL SPECIFICATIONS

CERTIFIED LABORATORY TEST REPORT SUMMARY

	Hot Dipped Galvanized Steel	Galvalume	Aluminum
Accelerated Weathering ASTM G 23	2000 Hours Chalk: #8 Color: 2 E	2000 Hours Chalk: #8 Color: 2 E	2000 Hours Chalk: #8 Color: 2 E
Salt Spray ASTM B 117	1000 Hours Scribe: 7 1/16" Blisters Field: 10 No Blisters	1000 Hours Scribe: 7 1/16" Blisters Field: 10 No Blisters	1000 Hours Scribe: 10 No Creepage Field: 10 No Blisters
Humidity ASTM D 2247	2000 Hours Rating: 10 No Blisters	2000 Hours Rating: 10 No Blisters	3000 Hours Rating: 10 No Blisters
Formability ASTM G 522	1/8" Mandrel No Cracking No Loss of Adhesion	1/8" Mandrel No Cracking No Loss of Adhesion	1/8" Mandrel No Cracking No Loss of Adhesion
Adhesion ASTM D 3359	No Loss of Adhesion	No Loss of Adhesion	No Loss of Adhesion
Pencil Hardness ASTM D 3363	HB Minimum	HB Minimum	HB Minimum
Specular Gloss ASTM D 523	60° = 25-35 Also Available 85° = 5-15	60° = 25-35 Also Available 85° = 5-15	60° = 25-35 Also Available 85° = 5-15
Impact Resistance ASTM D 2794	3 x Metal Thickness in Inch-Lb. No Loss of Adhesion	3 x Metal Thickness in Inch-Lb. No Loss of Adhesion	1.5 x Metal Thickness in Inch-Lb. No Loss of Adhesion
Abrasion Resistance ASTM D 968	Total Sand = 67 Liters, Plus or Minus 10 Liters	Total Sand = 67 Liters, Plus or Minus 10 Liters	Total Sand = 67 Liters, Plus or Minus 10 Liters
Tunnel Test ASTM E 84	Class A Coating	Class A Coating	Class A Coating
Acid Resistance ASTM D 1308 Procedure 7.2 (Independent of Substrate)	10% Hydrochloric Acid 24 Hour - No Visible Change 20% Hydrochloric Acid 18 Hour - No Visible Change 20% Sulfuric Acid 18 Hour - No Visible Change 25% Sodium Hydroxide 1 Hour - No Visible Change 20% Muriatic Acid 15 Minutes - No Visible Change		