

Letter of Certification

.0175-.019 x 20" Galvalume Steel Coil

Spectra Metal Sales, Inc. is a member of the National Coil Coating Association and uses the NCCA's standards as guidelines for physical testing.

- Follow ASTM B209 standards for metal chemical composition and mechanical properties
- The Galvalume Steel used is GRADE 50, ASTM A792 which meets the specifications set forth in the "Annual book of ASTM standards" published by ASTM International. The finished gauge of the Steel for this coil is 26ga. The GRADE 50; ASTM A792.
- The Steel's inside and outside primer coating is roll coated and baked per manufactures specifications.

Top Dry Film Thickness: .9 – 1.10 mils

Gloss (60°): N/A @ 60 Degrees

Solvent Resistance: N/A Double rubs (M.E.K.)

Flexibility: 2-3 T No Tape Off on 0.022 HDG (varies w/metal thickness)

Impact (N.T.O.): 3X Metal thickness

Pencil Hardness: F – H

Other vHAPS: 0.87 Lbs vHAPs/Gallon solid; vHAPS: 4.02% by weight)

- The Steel's inside and outside coating is a Siliconized Modified Polyester coil coating system

Specular Gloss at 60° ASTM D 523 ⁽²⁾:

Pencil Hardness ASTM D 3363:

T-Bend ASTM D 4145 ⁽⁵⁾:

Cross Hatch Adhesion ASTM D 3359:

Reverse Impact ASTM D 2794 ⁽⁵⁾:

20 to 80

F to 2H

2T to 4T with no loss of adhesion

No loss of adhesion

Galvalume® or HDG: 3x metal thickness inch-pounds, no loss of adhesion
Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion

Humidity Resistance:

100% RH 1,000 Hours ASTM D 2247

100% RH 2,000 Hours ASTM D 2247

Galvalume® or HDG: No field blisters
Aluminum: No field blisters

Salt Spray Resistance:

1,000 Hours ASTM B 117

2,000 Hours ASTM B 117

Galvalume® or HDG: Creep from scribe ≤ 1/8 inch (3mm), none or few #8

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26-gauge x 20" Galvalume Steel Coil

blisters Aluminum: Creep from scribe $\leq$
1/8 inch (3mm), few #8 blisters

Water Immersion 100° F 168 Hours ASTM D 870:

No field blisters with minimal color
change

Abrasion Resistance ASTM D 968:
Application Method:
Substrate ⁽¹⁾:

Total sand= 35 $\pm$ 5 liters
Reverse roll coat
Aluminum, HDG or Galvalume®

Dry Film Thickness ASTM D 4138

Top coat: 0.7 to 0.8 mils
Primer: 0.2 to 0.3 mils
Total system: 0.9 to 1.1 mils

Viscosity ASTM D 4212 (No. 4 Zahn cup)

25 to 45 seconds

Weight per Gallon ASTM D 1475:

9.0 to 12.0 pounds per gallon

VOC (Theoretical) ASTM D 3960:

3.0 to 4.0 pounds per gallon ⁽⁴⁾

Peak Metal Temperature:

420° to 450° F

Contains Lubricant:

Yes

MEK Double Rubs ASTM D 5402:

150 Plus

(1) All substrates must be properly pretreated.

(2) American Society for Testing and Materials.

(3) WeatherXL is not designed to bridge cracks in the substrate.

(4) Varies by color.

(5) WeatherXL coatings will generally meet the requirements for most post-painted fabrication processes.

However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility. WeatherXL™ is a registered trademark of The Valspar Corporation.

