

## Letter of Certification

### **.019 X 14” X 50’ – Aluminum Coil Bright White Polyester Trim 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 Aluminum used is alloy 3105-H28 or 3105-H25 which meets the specifications set forth in the “Aluminum Standards and Data 2024” published by the Aluminum Association. The finished gauge of the Aluminum for this coil is .019, +/- .002.
- The surface of the Aluminum sheet is thoroughly cleaned and dried to remove impurities and coated with Bonderite 1402-W non-cyanide chromate conversion coating.
- The Aluminum’s inside and outside coating is a thermo polyester paint which is roll coated and baked per manufactures specifications.
- The DFT range of the applied topcoat finish is .65 mils, +/- .2 mils.

**Spectra Metal Sales, Inc. has a complete line of state of the art quality control equipment which includes:**

- Hunter DP-9000 Colormeter
- Garner Impact Tester
- Garner Cross Hatch Tester
- Fischer Dual Scope Film Thickness Gauge
- Gardner Gloss Meter

- The paint specifications used for our smooth white polyester coated trim coil are as follows:

Gloss (60°):	10 +/- 2 Units (varies by color)
Solvent Resistance:	100 Double rubs (M.E.K.)
Flexibility:	.019 (+/- .002) 2 T Bend minimum
Impact (N.T.O.):	1-1/2 Times metal thickness in Inch-Lbs (ASTM D 2794)
Pencil Hardness:	F - 2H
Humidity Resistance:	No blistering, loss of adhesion after 1,000 hours exposure to 100% relative humidity. (ASTM D 2247)
Salt Spray Resistance:	No field blistering and no more than 1/16” creep from a score line after neutral salt spray testing for 1,000 Hours (ASTM B 117)
Weathering Resistance:	Will withstand ten years outdoor southern exposure in South Florida, without cracking, blistering, splitting or peeling.