



**AEROSMITH FASTENING SYSTEMS – March, 2018**

**TECHNICAL BULLETIN #109**

**Aerosmith Fasteners’ Corrosion Resistance Results\***

(Rev. 04/07; and 03/2018)

Aerosmith Brand Fasteners are available with various plating options (Electro Galvanized Zinc; Mechanically Galvanized Zinc; ‘Climacoat’ coating; and Electro plated ‘PT2000®’ offering Design Flexibility and a Corrosion Resistance level needed to meet or exceed most design requirements. AEROSMITH GOLD® fasteners with PT2000® plating offer corrosion resistance exceeding most ‘hot-dipped’ galvanized fasteners and are suited for applications involving ACQ treated wood.

**AEROSMITH BRAND FASTENERS – ASTM B117 TESTS  
(Hours to ‘Red Rust’)**

<i>Test Protocol</i>	Aerosmith PT2000® Alloy Plated	Aerosmith® Specialty Coating	**Aerosmith Electro Galvanized Zinc	Aerosmith Mechanically Galvanized Zinc
ASTM B117 ‘Salt Spray’ Testing	2060	1000	192	312

Notes:

- 1) Plating thickness can range: 5.18 microns to 8.3 microns
  - 1) Procedure: ASTM B117 Salt Spray where fasteners are placed in a cabinet with 5% salt solution at 95°F and evaluated for “red rust” every 24 hours.
  - 2) Products: Each plating is used with select fasteners within each fastener series’ (Aerosmith 2000; 3000; 5000; and 6000 series) item numbers.
  - 3) Test Dates: Corrosion Resistance testing is an ongoing feature in Aerosmith’s Quality Assurance Program that includes THIRD PARTY inspection.
  - 4) Sources: Progressive Engineering Test #2015-823; 11/30/2015

\*Contact your Design Professional for the accepted use for the above values.

\*\*Rating does NOT apply to TrimPin® - Trim/Finish Pins.

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