

**PROJECT SPECS****Surface type:** Metal**Size:** 10,890 sq. ft.**Age:** 15+ years**Location:** East Stroudsburg, PA**Industry:** Government**Solution:** Met-A-Gard+**PRODUCTS**

- Red Oxide Rust Prime 912
- Urethane Brush-Grade 522
- High Tensile Acrylic 211

This metal roof had serious corrosion that needed to be addressed.

RESEARCH

An aged metal roof in East Stroudsburg, PA with two different styles of panel was in need of restoration. The roof has R-panel in some areas and Standing Seam in others. The R-panel roof specifically had a high concentration of rust and degradation that needed to be addressed prior to coating.

PROCESS

The installing contractor created a scope of work to ensure proper long-term performance of the Met-A-Gard+ system. First, the entire roof was pressure-washed at 3500 psi.

After preparing the substrate, Red Oxide Rust Prime 912 was applied to the roof. This primer is designed for metal roofs with significant rust damage.

Next, Urethane Brush-Grade 522 was applied to seams, transitions, penetrations, and fasteners. This product is a flashing-grade mastic designed to tightly seal and waterproof areas where leaks are most likely to occur.

Then, the contractor applied a base layer of High-Tensile Acrylic 211. Typically, the Met-A-Gard+ system uses an ivory-tinted base coat so it can be differentiated from the white top coat. In this project, however, the customer chose a tan top coat, so the base coat was white.

Finally, a top coat of High-Tensile Acrylic 211 was applied. This elastomeric product is designed to remain flexible even under conditions such as high foot traffic, extreme weather, and everyday wear-and-tear.

RESULT

After receiving the Met-A-Gard+ system, the roof now has an attractive, watertight finish with at least 15 years of extended life. It is now protected from any further rust or corrosion thanks to the Red Oxide Rust Prime 912. American WeatherStar issued a 15-year material warranty on the Met-A-Gard+ system.

The following photos show the roof before, during, and after the project. The customer chose tan, but other colors are available. Check out our color chart online at www.americanweatherstar.com/coatings-color-chart.

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Aerial View



Before

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Rusted R-Panels



Rusted R-Panel Roof

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Primer



Base Coat

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Top Coat



Top Coat