

**PROJECT SPECS****Surface type:** Metal**Size:** 14,500 sq. ft.**Age:** Unknown**Location:** North Charleston, SC**Industry:** Transportation**Solution:** Met-A-Gard+**PRODUCTS**

- Urethane Brush-Grade 522
- High-Tensile Acrylic 211

The Met-A-Gard+ system was installed on this aged, standing seam metal roof.

RESEARCH

This standing seam metal roof in North Charleston, South Carolina required restoration primarily for preventive maintenance and stopping a few leaks.

The installing contractor chose the Met-A-Gard+ system as the solution for this roof. The Met-A-Gard+ system is specifically formulated to waterproof and preserve metal roofing panel systems from the harmful effects of the sun, wind, and rain. The Met-A-Gard+ system's main component, High-Tensile Acrylic 211, contains strong algaecides which make it ideal for metal roof applications.

PROCESS

One metal panel was replaced before cleaning the roof. Then, the entire roof was pressure-washed to remove all loose dirt and debris. Additionally, the contractor made repairs to the damage on the roof (reinforcing seams, fasteners, panels, etc.)

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

Finally, two coats of High-Tensile Acrylic 211 were applied to the roof. High Tensile Acrylic 211 provides an excellent protective membrane that remains flexible even under adverse conditions.

RESULT

After receiving the Met-A-Gard+ system, the roof now has an attractive, watertight finish with at least 12 years of extended life. American WeatherStar issued a 12-year material warranty on the Met-A-Gard+ system.

The following photos show the roof before, during, and after the project.

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Aerial View



Surface Prep

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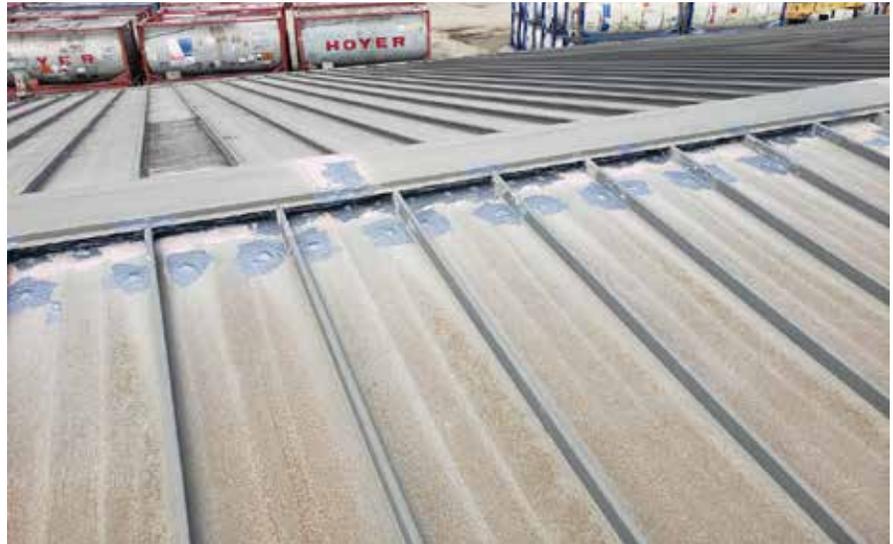
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Fasteners



Two coats of High-Tensile Acrylic 211

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Complete



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