

# QUICK SPEC

## DESCRIPTION

The American WeatherStar Met-A-Gard+ advanced metal roof restoration system is a fluid applied roofing system designed by AWS to restore and protect metal roofs. AWS developed this bright white Energy Star® rated system based on the advanced performance of its High Tensile Acrylic 211.

## BASIC USES

The AWS Met-A-Gard+ system is specifically formulated to seal, waterproof, and preserve metal roofing panel systems from the harmful effects of the sun, wind, and rain. The system's main component, AWS High Tensile Acrylic 211, contains strong

## BENEFITS

- » Watertight seal stops leaks & prevents rust
- » 100% tax deductible the year of installation
- » Expands life expectancy of metal roofs
- » Cool roof technology lowers interior cooling costs
- » Sustainable 12 & 15 year warranty options
- » No business interruption

## SYSTEM STEPS

- » Pressure wash
- » Look for and address problem areas
- » Any factory painted, previously coated, or rusted areas will be treated with AWS Primer
- » All seams are closed and securely fastened. Loose or missing fasteners must to be replaced
- » Waterproof vertical/horizontal seams and all fasteners with AWS flashing grade materials
- » Apply Base Layer of AWS HT Acrylic 211
- » Apply Top Layer of AWS HT Acrylic 211



# Met-A-Gard+

HIGH PERFORMANCE ROOF COATING SYSTEM

over metal roof

## APPLICATION PROCESS

PRESSURE WASH,  
CHECK FOR PROBLEM  
AREAS & APPLY AWS  
PRIMER (IF NEEDED)



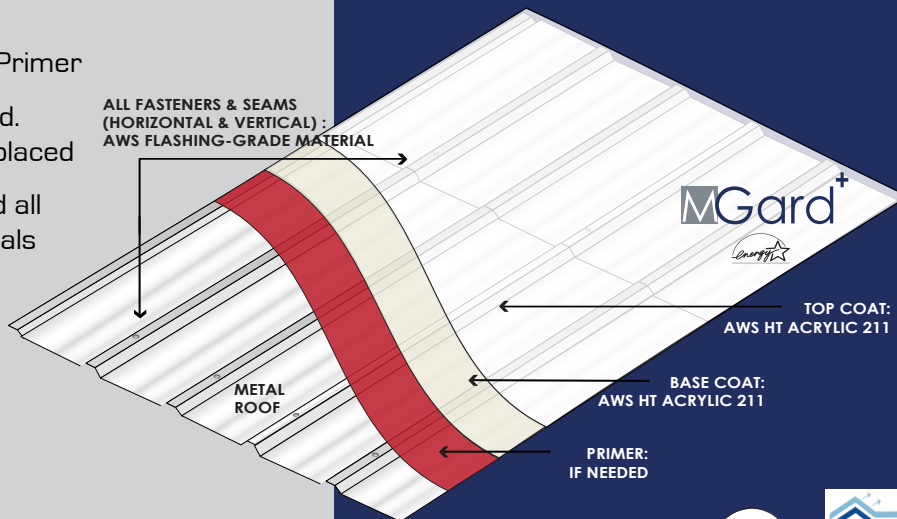
WATERPROOF SEAMS,  
FASTENERS, PENETRATIONS  
& TRANSITIONS W/AWS  
FLASHING GRADE MATERIAL



APPLY AWS  
HT ACRYLIC 211  
BASE COAT



APPLY AWS  
HT ACRYLIC 211  
TOP COAT



## ADHESION TEST

To ensure successful application of the AWS Met-A-Gard+ roofing system, always perform an adhesion test with AWS High Tensile Acrylic 211 to ensure that the roof substrate will accept the coating.

## PRE-INSPECTION

Pre-inspect roof for necessary repairs before application of the coating system. Inspection should include but not limited to the following:

- » HVAC Flashing
- » Proper drainage
- » Parapet Wall Condition
- » Sign or Display Anchorage
- » Drains & Location of Drains
- » Water Leakage
- » Seam, Terminators, Reglet
- » Roof Penetrations
- » Coping and Flashing
- » Sleepers & Pitch Pockets

## TECHNICAL DATA

### AWS RED OXIDE RUST PRIME 912

Color: Red  
 Viscosity: 600-800 CPS  
 Tensile Strength: N/A  
 Elongation: N/A  
 Solids: 40% ± 1%  
 Permeability: N/A  
 Drying Time: 2-3 Hours

### AWS HIGH TENSILE ACRYLIC 211

Color: White, Gray, and Tan  
 Viscosity: 4,500 cps  
 Tensile Strength: 475 psi  
 Elongation: 580%  
 Solids: Volume: 55% ± 2%  
 Permeability: 7.1 @ 20 mils thick coating  
 Clean Up: Water

## COVERAGE RATES

12 YEAR WARRANTY (20 MIL SYSTEM)	PRIMER	BASE COAT	TOP COAT
AWS Product	Rust Prime 912	HT Acrylic 211	HT Acrylic 211
Coverage Rate	1 Gal/100 sq ft	1.25 Gal/100 sq ft	1.25 Gal/100 sq ft

15 YEAR WARRANTY (25 MIL SYSTEM)	PRIMER	BASE COAT	TOP COAT
AWS Product	Rust Prime 910	HT Acrylic 211	HT Acrylic 211
Coverage Rate	1 Gal/200 sq ft	1.5 Gal/100 sq ft	1.5 Gal/100 sq ft



fluid-applied metal roof restoration

## INSTALLATION TIPS

- » All surfaces to be coated must be cleaned properly.
- » Pressure washing at 3000 - 4000 psi is recommended.
- » Any existing coating must be checked for good adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility.
- » Factory painted or previously coated roofs will be primed.
- » AWS High Tensile Acrylic 211 may be applied by conventional airless spray equipment or a profile tank spreader.
- » Apply AWS High Tensile Acrylic 211 only to clean, dry, sound surfaces free of loose particles or other foreign matter.
- » Allow 24 hours between coats..

## RUSTY PANELS

Rust, also known as Iron Oxide, is formed by a chemical reaction in which iron oxidizes when in the presence of oxygen and water or excessive moisture. Iron Oxide lacks many of the structural characteristics of the original iron material and will continue to spread deeper into the material. If left alone, rust will almost always result in total failure of the panel. AWS Rust Primers are designed to neutralize existing rust as well as prevent it from advancing its damage.

## SKYLIGHTS

Skylights, if still within their serviceable life, can be renewed and restored with AWS Acrylic 230 clear liquid applied membrane.

## EQUIPMENT

Spray Applied - See AWS Spray Application Guides on AWS Red Oxide Rust Prime 912, AWS High Tensile Acrylic 211

Profile tank spreader.

## STORAGE & HANDLING

Keep containers closed, store in a dry, cool place away from heat, sparks, open flame, and moisture. Keep material stored above 65°F (18°C) and on wood pallets and/or off concrete floor.

THIS QUICK SPEC IS MEANT ONLY AS AN OVERVIEW OF INSTALLATION PROCEDURES. IT IS NOT MEANT TO REPLACE THE DETAILED APPLICATION GUIDELINE. BE SURE TO REVIEW THE COMPLETE APPLICATION GUIDELINE PRIOR TO BEGINNING ANY PROJECT.

Published technical data and instructions are subject to change without notice. Contact your local AWS representative or visit our website for current technical data and application guidelines.