

Color-Gard⁺

ARCHITECTURAL ROOF COATING SYSTEM

The Architectural Metal Roof Coating Solution

The Color-Gard+ Architectural Roof Coating System combines our innovative High-Gloss Acrylic 215 with the superior elongation, tensile strength, and color retention of High-Tensile Acrylic 211. This highly-advanced coating system provides metal roof surfaces with a beautiful, high-build, architectural finish and contributes unsurpassed weatherability, abrasion-resistance, colorfastness, and resistance to dirt pick-up.

The Color-Gard+ System offers facility managers and property owners a variety of money-saving benefits. It does more than stop leaks—it effectively improves performance, provides a beautiful and aesthetic finish, prevents rust and corrosion, reduces maintenance costs, and extends service life. Best of all, the Color-Gard+ System costs less than a total roof replacement.

Basic Uses

The Color-Gard+ System is especially engineered to seal, waterproof, and protect aged metal roofs from the harmful effects of the sun, wind, and rain. The system's main components, High-Tensile Acrylic 211 and High-Gloss Acrylic 215, combine to provide metal roof surfaces with a high-performance, low-build, aesthetic finish. The system is designed for metal roofs affected by moderate levels of rust and corrosion with positive drainage.

Features/Benefits

- Stops leaks and vastly improves performance
- Provides a beautiful, long-lasting, architectural finish
- Substantially reduces maintenance and energy costs
- Extends service life by restoring the existing metal roof surface
- Superior elongation, tensile strength, and color-retention
- Cures to form a seamless, watertight membrane
- Eliminates the onset of rust and corrosion
- Long-term warranty options available
- 10-year color-fade warranty
- Minimal interruption to business

Suitable Substrates

- Metal

SURFACE PREPARATION

To ensure optimal adhesion, the roof is pressure washed to remove all dirt, dust, and debris. In some cases, a primer application (1A) of Red Oxide Rust Prime 912 may be necessary.

SEAMS/DETAILS

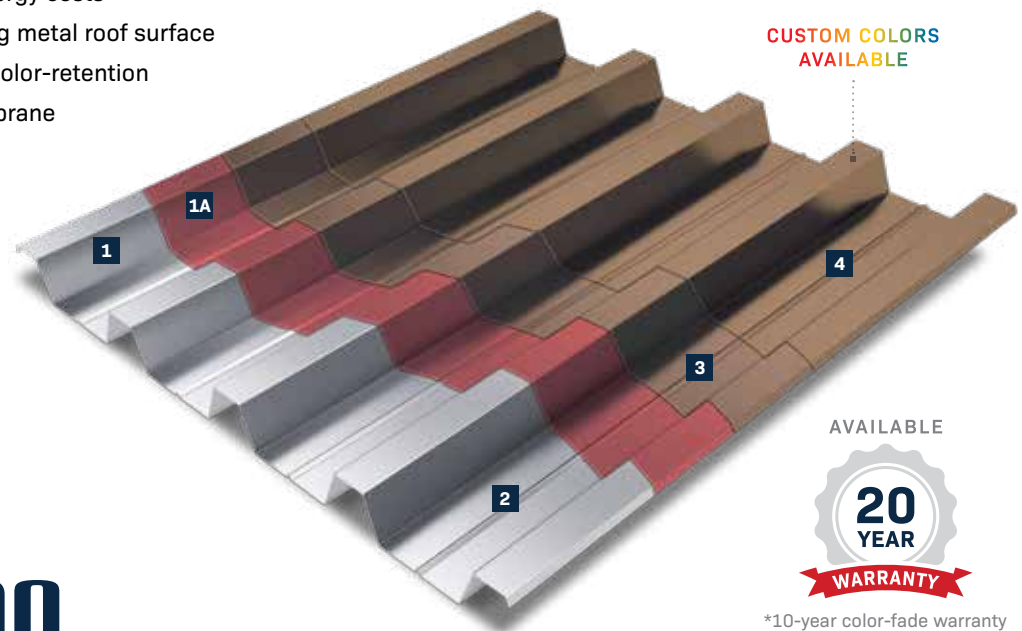
All seams and flashing details are coated with a thick “rubber-like” mastic to help withstand the expansion and contraction of the roof structure.

HIGH-TENSILE ACRYLIC 211

A base coat of High-Tensile Acrylic 211 provides excellent color retention and delivers maximum adhesion to metal roof substrates.

HIGH-GLOSS ACRYLIC 215

A top coat of High-Gloss Acrylic 215 provides a flexible, low-build, and aesthetic finish with unsurpassed weatherability, abrasion resistance, and colorfastness.



QUICK SPEC

ADHESION TEST

To ensure a successful application, an adhesion test is recommended to ensure maximum adhesion of the High-Tensile Acrylic 211 base coat to the metal roof substrate.

PRE-INSPECTION

Before system application, pre-inspect the roof for necessary repairs. The inspection should include, but not be limited to:

- HVAC flashing
- Proper drainage
- Roof penetrations
- Sign or display anchorage
- Water leakage
- Seams, terminations, reglets
- Coping and flashing
- Sleepers and pitch pockets

INSTALLATION TIPS

- All roof surfaces to be coated must be properly cleaned and prepared. Pressure washing at 3000-4000 psi is recommended.
- Existing coatings must be checked for proper adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned, and checked for compatibility. In some cases, the use of a primer may be necessary.
- High-Tensile Acrylic 211 and High-Gloss Acrylic 215 may be applied using airless spray equipment. Only apply High-Tensile Acrylic 211 and High-Gloss Acrylic 215 to clean, dry, sound surfaces free of contaminants and other foreign matter.
- Depending on temperature and humidity, allow 24 hours between High-Tensile Acrylic 211 base and intermediate coating applications.
- Allow minimum of 48 hours before application of High-Gloss Acrylic 215 to High-Tensile Acrylic 211 foundation layers. For technical assistance, please contact your American WeatherStar Field Representative.
- High-Gloss Acrylic 215 must be applied to High Tensile Acrylic 211 of matching tints.

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 almost always result in failure of the panel. Rust primers from

TECHNICAL DATA

HIGH-TENSILE ACRYLIC 211

Solids by Volume	55% ± 2
Elongation	600% ± 50
Tensile Strength	500 ± 50 psi
Reflectivity	Initial .82 After 3 years .81
Emissivity	.90
Viscosity	4500 ± 500 cps
Permeability	7.1 @ 20 mils
VOC	<50g/Liter

HIGH-GLOSS ACRYLIC 215

Solids by Volume	40 ± 2%
Elongation	300 ± 50%
Tensile Strength	1000 ± 50 psi
Reflectivity	88%
Emissivity	.89
Viscosity	100 + 10 KU

RED OXIDE RUST PRIME 912

Color	Red
Solids by Volume	40% ± 2
Viscosity	600-800 cps
Dry time	2-3 hours

Please see product data sheets for complete technical data.

SUBSTRATE	TERM	BASE COAT	INTERMEDIATE COAT	INTERMEDIATE COAT	TOP COAT	TOTAL DFT**
Metal	10 years*	High-Tensile Acrylic 211	-	High-Gloss Acrylic 215	High-Gloss Acrylic 215	15
	15 years*	High-Tensile Acrylic 211	High-Tensile Acrylic 211	High-Gloss Acrylic 215	High-Gloss Acrylic 215	25
	20 years*	High-Tensile Acrylic 211	High-Tensile Acrylic 211	High-Gloss Acrylic 215	High-Gloss Acrylic 215	30

*Color-Gard+ System is covered by a 10-year color fade warranty.

**Dry film thickness (DFT) is rounded to the nearest mil and is theoretical. Actual DFT varies depending on substrate, application technique, and waste factor.

NOTE: This document is intended as an overview of installation procedures only. Please refer to application guidelines for complete installation information. Published technical information is subject to change without notice. Please visit www.americanweatherstar.com or contact your Field Representative for current technical data.

