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As noted in the Technical Bulletin "[ACRYLUME® Coated Sheet Steel](#)" ACRYLUME® is GALVALUME® with an acrylic coating. This acrylic coating is a **temporary** coating meant to inhibit corrosion, particularly white and black rust, during storage and provides lubricity during roll-forming so that the use of oils is not necessary. The acrylic coating also provides some protection against job site handling issues such as marking of the surface from hand and boot prints.

The typical lifespan of the acrylic coating when exposed to normal rural atmospheric conditions is 3-5 years. As the acrylic coating degrades due to exposure to the elements and sunlight, the underlying GALVALUME® substrate is then exposed to the atmosphere. At this point, contact with moisture will initiate the formation of surface oxides which can be dark during initial stages, and can be spotty in appearance.

These surface oxides are expected and actually provide an extra layer of protection ("patina") for the underlying GALVALUME® coating. This process is often referred to as "aging" or "weathering", and as the balance of the acrylic degrades, the exposed formed panels will take on a more uniform dull gray appearance.

This dull, gray appearance, is the initial results of weathering.