

TECHNICAL BULLETIN #1

ROOF GUARDIAN TECHNOLOGIES APPLICATION OF WHITE ELASTOMERIC SYSTEM OVER ASPHALT-BASED ALUMINUM COATINGS

Many metal roofs exist today which have been coated with asphalt-based aluminum coatings. Be advised that some of the problems associated with use of these asphalt-based aluminum coatings on metal roofs are as follows:

Most aluminum coatings are asphalt-based. As such, they are not elastomeric and tend to crack at stress points on a metal roof (e.g. seams, penetrations, etc.) because of extensive movement of the metal due to changes in temperature.

Typically, asphalt is used as the binder in aluminum coatings. Asphalt tends to degrade rapidly when exposed to sunlight, taking with it the aluminum which functions as a UV barrier. With little to no UV protection, the aluminum coating will crack, split and/or alligator very quickly.

There have been extensive failures of aluminum coatings over metal roofing due to delamination. This happens primarily because of their lack of flexibility. They tend to lose adhesion on metal panels over time and can come off the roof in large sheets.

Metal roof panels experience rust over time. Some components of asphalt-based products tend to promote rust, which causes the metal panels to corrode even faster.

Due to the above stated problems associated with using aluminum coatings on metal roofs, RGT has instated a policy concerning application over asphalt-based aluminum coatings as follows:

RGT will not provide any type of system warranty if severe rust is apparent under cracks and splits in the aluminum coating.

The maximum RGT System warranty available for application over asphalt-based aluminum coatings is for 5-years. This system warranty may be upgradable after the initial five year time period for another 5 years.

Building Owner must be advised in advance that RGT will not be responsible for any future problems associated with failure of the pre-existing coating.

Effective immediately, general procedures for application of an RGT 5-year system over aluminum coating will be as follows:

Remove as much of the existing coating as possible.

Treat minor rust areas in accordance with RGT specifications.

Perform flashing work in accordance with RGT specifications.

Spray-apply elastomeric base coat of RG-130 at the rate of 1.0 gallon per square.

Spray-apply elastomeric finish coat of RG-170 at the rate of 1.0 gallon per square.

Please contact your local representative for Roof Guardian Technologies or the main office at 210-377-1055, if you have any questions.