

TECHNICAL BULLETIN

Date: May 16, 2011

SUBJECT: Painting Alumaguard® Products

The **Alumaguard** family of flexible weather-proof insulation jackets consists of 3 products: **Alumaguard**, **Alumaguard All-Weather (LT)** and **Alumaguard Lite**. All three products are available in a natural aluminum foil finish with **Alumaguard** and **Alumaguard All-Weather** embossed and with **Alumaguard Lite** available both embossed and smooth. **Alumaguard Lite** is also available in a white finish for use indoors.

All three **Alumaguard** products with the natural aluminum foil finish have an emissivity of 0.03 when used outdoors and exposed to sunlight. Emissivity is a measure of a body's resistance to heat or energy build-up compared to a black body which has an emissivity of 1.0. Painting any of the **Alumaguard** products will likely increase its emissivity causing heat build-up which for **Alumaguard** and **Alumaguard All-Weather** can cause softening of the rubberized asphalt compound leading to:

- Melting and dripping of the rubberized asphalt
- Weakening of the seams
- Seam rupture caused by low pressure air leaks in the ducts
- Lifting of seams

As a result **Polyguard** does not recommend the painting of **Alumaguard** or **Alumaguard All-Weather** and if either of these products is painted, our warranty will be voided.

Alumaguard Lite contains no rubberized asphalt and uses acrylic adhesive for attachment to the substrate. If painting is required then **Polyguard** recommends the use of **Alumaguard Lite**.

Surface preparation is extremely important. **Polyguard** recommends that the paint manufacturers' recommendations be followed for painting over an aluminum surface.

Any painted surface will require regular inspection and maintenance.

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