INSULFOAM A CARLISLE COMPANY

TECHNICAL BULLETIN

# TECHNICAL BULLETIN # 1018

**SUBJECT: INSULFOAM SP use in HOT CLIMATES**

**DATE: July 24, 2006**

Insulfoam SP has experienced great acceptance through out the roofing community. This year we have seen very high temperatures across the country. The following bulletin gives general guidelines for the application of Insulfoam SP when high temperatures are expected.

Insulfoam SP has a grey facer. While this color facilitates the rapid drying of dew it can lead to increased surface temperatures in hot sunny climates. Insulfoam SP was designed to with stand short durations of surface temperatures of 195 degrees Fahrenheit. These temperatures can be found on dark colored surfaces when ambient temperatures are in excess of 105 degrees Fahrenheit. Ambient temperatures in excess of 105 degrees can lead to the surface temperature on Insulfoam SP to exceed the 195 degree mark which may lead to deformation of the insulation. In these extremely hot situations the Insulfoam SP should be covered with a light covered membrane to prevent the surface temperatures from exceeding 195 degrees F.

The practice of laying out large amounts of Insulfoam SP in the early hours and coming back in the evening hours to apply the membrane is not recommended in hot climates.

The roofing contractor should also be cognizant of adjacent structures, windows or other objects that may reflect sunlight onto the Insulfoam SP surface. In these scenarios the reflected energy may cause surface temperatures to rise above 195 degrees F.

A useful tool for the contractor to determine surface temperatures is an infrared thermometer. This point and shoot tool allows for instantaneous read outs of the temperatures on the roofs surface.

Should there be further questions regarding Insulfoam SP, feel free to contact Insulfoam-Technical Center at 1/800-469-8870.