CARLISLE'S AUTHORIZED APPLICATORS

MARKETING ANNOUNCEMENT

SW-2012-10

Solar Heat Blocker Acrylic Introduction
April 25, 2012

To: Carlisle SynTec Systems' Authorized Applicators

Carlisle would like to announce the addition of a highly reflective skylight glazing which utilizes a solar heat-blocking coating applied to various glazing substrates in daylighting applications. This high-performance, spectrally selective Low-E coating has long been limited to glass applications, but can now be applied to plastic flat sheets prior to the thermoforming process.

Depending on thickness, this coating will transmit between 70% and 30% visible light, while filtering out 50% to 95% of the infrared light spectrum. It also blocks 99.9% of UV light and prevents the fading of fabrics and furniture below the skylight. The standard solar heat blocker acrylic glazing that Carlisle now offers has a VLT (Visible Light Transmission) of 54%, a SHGC (Solar Heat Gain Coefficient) of .26, and a U-Value of .45, all exceptional values for skylight glazing. This standard glazing configuration consists of an outer dome of standard solar heat blocker acrylic over an inner dome of white prismatic acrylic.

This high-performance glazing has a number of key benefits, including:

- Reduced cooling loads and costs
- Allows for smaller HVAC equipment while also increasing life span
- Reduced peak demand and associated charges on hot sunny days
- Meets state and local mandates for energy efficient skylights

If you have any questions regarding these new products, please contact your local manufacturer's representative or distributor.

Sincerely,

Ken Laremore
Skylight Product Manager