

DESIGN ADVISORY

June 14, 2013

To: Representatives, Distributors, and Authorized Applicators

RE: Advisory Alert - Changing Roof Color Can Lead to Warranty Complications

Changing the color of a performing roof system without involving a design professional can lead to unintended warranty complications and financial consequences. Prior to changing the color of a roof, its geographic location must be taken into account, and a specific energy consumption strategy for the building must be in place. If these factors are not considered, a number of problems can arise.

Painting a dark roof white lowers its surface temperature, causing the roofing membrane to frequently fall below the dew point, and remain below it for extensive periods of time. This unintended modification to rooftop physics contributes to an increased probability of condensation and can lead to moisture accumulation within the roofing assembly, particularly in cold Northern climates.

Moisture within the roofing assembly can result in:

- Drips, which are sometimes mistaken for leaks
- Diminishing of insulation R-value
- Decaying of insulation facers
- Possible board deformation, especially over concrete decks
- Deterioration of wood decks
- Corrosion of steel decks and fastening components

In a cold climate region, changing a roof color can also lead to slippery and icy conditions, presenting a challenge to building maintenance personnel who are not accustomed to servicing a light-colored roof. On roofs with built in slopes, snow and ice can shift, potentially causing sleeper-mounted equipment and gas lines to be displaced.

To avoid complications with the Carlisle warranty, and to fully understand the possible consequences, it is strongly recommended that a design professional be consulted prior to changing the color of a warranted Carlisle roof.

Should further clarification be needed, please feel free to contact the Technical and Warranty Service Department.

Sincerely,



Samir Ibrahim
Director of Design Services
Carlisle SynTec Systems