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Technical Bulletin 2-10

InSpire Roof Tiles installed over Insulated Roof Decks

The Tapco Group's warranty for InSpire roof tiles will remain in effect when the InSpire roof tiles are installed over insulated conditioned attic assemblies with roof deck slopes $\geq 4:12$. Construction of unvented conditioned attic assemblies should be in accordance with Section R806.4 of the 2006 International Residential Code (IRC). Typical products installed on the underside of roof decks in unventilated/insulated applications include but are not limited to; open and closed cell SPF (spray polyurethane foam), and spray-in-place Icynene Insulation System®.

InSpire Recommends Proper attic ventilation 1/300 balanced between soffit and ridge. Any damage to shingles attributable to using sprayed in place insulation directly applied to the roof deck or lack of ventilation is excluded from InSpire Roofing Products responsibility under the terms of our limited lifetime warranty.

NOTE : A properly installed AccuVent or Aerix ventilation system on the underside of the roof deck allows a spray foam system to be adequately ventilated and will allow the InSpire Roofing Products limited Lifetime Warranty to remain in effect.

Restrictions are as follows:

The designer(s) of the unventilated/insulated roof deck is/are responsible for ensuring:

1. All conditions for attic assembly meet requirements of Section R806.4 of the 2006 IRC
2. Proper quality, type and application of the chosen insulation
3. Local climate conditions are taken into consideration
4. Air leaks which could lead to moisture transmission and condensation issues are completely eliminated during the application process
5. The system selected for the climate zone will not add to the degradation of the roof deck assembly (i.e. substrate, fasteners, and underlayment)

The Tapco Group is not responsible for any issues associated with this type of attic assembly. Further, The Tapco Group shall not have any liability under its warranty for:

1. Any damage to or defects in its roof tiles caused by settlement, movement, distortion, deterioration, cracking or other failure of the roof deck or of the materials used as a roofing underlayment over which its tiles are installed
2. Mold or mildew growth, condensation
3. Defects, damage or failure caused by application not in strict adherence with the InSpire Roofing Products application guidelines

NOTE: Spray in place insulation prolongs the amount of time that the roof is at peak temperature. Cooler regions where the majority of the year it is necessary to heat a home will be less susceptible to excessive heat as compared to warmer regions where it is necessary to cool a home more than to heat a home.