

USE OF RADIANT BARRIERS WITH ASPHALT SHINGLES*

TAMKO accepts the use of certain types of radiant barriers in conjunction with TAMKO asphalt shingles ONLY in limited situations as described in this Technical Notice. In all situations, requirements of the applicable Application Instructions for the TAMKO shingles must be followed.

Radiant Barriers Integrated with the Roof Deck Sheathing

Installation of TAMKO asphalt shingles onto roof deck sheathing with an integrated radiant barrier is acceptable. If the roof deck sheathing is installed with the radiant barrier facing into the attic space, the radiant barrier must be perforated.

Radiant Barriers Installed Above the Roof Deck Sheathing

Installation of TAMKO asphalt shingles over a radiant barrier installed above the roof deck sheathing is acceptable, provided an acceptable underlayment is installed beneath the radiant barrier.

Reflective Insulation Installed Above the Roof Deck Sheathing

Installation of TAMKO asphalt shingles over a reflective insulation underlayment (i.e. a radiant barrier laminated to an insulating material such as polyethylene foam) that is designed specifically for use with asphalt shingles is acceptable, provided an acceptable underlayment is installed beneath the reflective insulation.

Radiant Barrier Sheet Materials Draped Over or Attached to Bottom of Rafters

Installation of TAMKO asphalt shingles in situations where radiant barriers are draped over or attached to the bottom of rafters is acceptable if an unobstructed ventilation path with an inlet at the lower end and an outlet at the upper end is present for each cavity formed by the radiant barrier and the rafters.

Liquid-applied Radiant Barriers Applied to the Bottom Side of Roof Deck Sheathing

Installation of TAMKO asphalt shingles over liquid-applied radiant barriers that are applied to the bottom side of the roof deck sheathing is NOT acceptable.

Other Radiant Barrier Products

Installation of TAMKO asphalt shingles over types of radiant barriers not specifically addressed in this Technical Notice is NOT acceptable.

IMPORTANT: Radiant barriers may create inadequate ventilation or form a vapor barrier in certain installations, which may lead to vapor condensation and moisture accumulation in the attic space, deterioration of insulation, wood and other construction materials, development of mold and mildew, and ice damming on the roof. Ensuring proper installation of the radiant barrier, incorporation of adequate ventilation, and appropriate management of moisture are the responsibility of the building owner, design professional, and contractor.

This document is not intended nor should it be construed to modify or alter the terms of TAMKO's Fiberglass Shingles Limited Warranty.

Additional information about TAMKO products is available at tamko.com.

* To obtain the current version of this Technical Notice, visit TAMKO's website at tamko.com.