



TB-10022497



TECHNICAL BULLETIN

COLD WEATHER SHINGLE INSTALLATION

SUPERSEDES PREVIOUS BULLETINS

Issue Description:

This bulletin provides recommendations for installation of Owens Corning® asphalt shingles in cold weather when the air and surface temperatures are at or below 40°F (5°C). Owens Corning shingles are manufactured with a factory-applied strip of thermally activated sealant. Direct exposure to the sun's energy activates the sealant, allowing shingles to bond to the course below. Several factors impact the activation time of the sealant, including but not limited to: geographic location, roof slope, roof orientation (relative to the direction of the sun), and the average daily outdoor temperature during and after installation. Shingles installed in cold weather, may not immediately seal until warmer temperatures are present for the sealant to activate.

Recommendations:

Extra care should be taken when handling and/or installing asphalt shingles when the air and surface temperatures are at or below 40°F (5°C). Owens Corning® Roofing recommends the following procedures for additional fastening strength and wind blow-off resistance when shingles are installed during cold weather:

1. Hand sealing all shingles along the rake edges: Each shingles should be hand sealed using 4 spots of asphalt roof cement (complying with the ASTM D4586, Type I or Type II). The four spots of roof cement should be evenly spaced on laminate (architectural) shingles approximately 1 inch from the leading edge of the shingle and pressed in placed. Take caution to ensure the asphalt roof cement does not squeeze out beyond the leading edge of the shingle. Be aware that excessive amounts of asphalt roof cement can cause the shingles to blister.
2. On strip (three-tab) shingles, place 2 spot of asphalt roof cement under each tab approximately 1-inch from the leading edge and the corner of each tab. Take caution to ensure the asphalt roof cement does not squeeze out beyond the leading edge of the shingle. Be aware that excessive amounts of asphalt roof cement can cause the shingles to blister.
3. Ensure that all nails are installed in the common bond (double layer) area on Owens Corning® laminate shingles (Oakridge® Series, TruDefinition® Duration® Series, and WeatherGuard® HP):

Shingle Side View
Vista lateral



Fastener Through Nail Line

- a. For Oakridge® Series and WeatherGuard® HP shingles
 - Ensure the required number of nails are installed on the painted nail line.
 - b. For TruDefinition® Duration® Series shingles
 - Ensure the required numbers of nails are installed in the lower half of the SureNail® nailing strip.
4. For applications on mansard roofs follow Owens Corning installation instructions.

Please contact 419-248-6557 for additional information.
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