



TECHNICAL BULLETIN

ROOF DECK REQUIREMENTS FOR INSTALLATION OF ASPHALT SHINGLES

SUPERSEDES PREVIOUS BULLETINS

Issue Description:

Requirements for roof decks on which Owens Corning® asphalt shingles will be installed, including limitations over spaced sheathing or deck boards.

Recommendations:

Owens Corning requires all asphalt shingles to be installed in the following manner:

- Solidly-sheathed roof decks:
 - Minimum 3/8-inch plywood sheathing, rated by The Engineered Wood Association (APA).¹
 - Minimum 7/16-inch Oriented Strand Board (OSB), rated by The Engineered Wood Association (APA).¹
 - Installed with minimum 1/8-inch and maximum 1/4-inch spacing at all panel edges and end joints. Sheathing thickness and installation must follow the sheathing manufacturer's and local building code requirements.
- Decks constructed with spaced deck boards:
 - Minimum 6 inch wide
 - Minimum 3/4-inch thick
 - Installed with maximum 1/4-inch spacing between boards
 - Holes or gaps greater than 1/4-inch must be repaired or boards replaced.

All roof deck surfaces, regardless of type, should be clean, dry, and free of debris, protrusions, dust and oil prior to the installation of underlayment or asphalt shingles. Owens Corning® asphalt shingles should never be installed directly over insulation board of any type.

¹The Engineered Wood Association (APA) (formerly the American Plywood Association) (<http://www.apawood.org>)

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