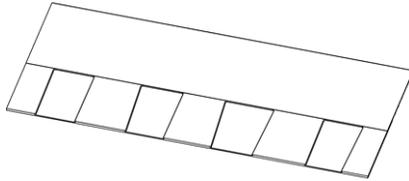


## Description / Issue

*FWTB-001 ONLY applies to REVIA Performance Architectural Shingles*



Technical Bulletin FWTB-001 covers the installation of REVIA Performance Architectural Synthetic Roofing Shingles in cold weather when the air temperature is at or below 55°F (13°C), the roof area surface temperature is at or below 74°F (23°C) or may not experience direct sunlight for a period of days, and shingle bundles have not been adequately warmed for several hours prior to installation.

F-Wave REVIA Performance Architectural shingles are a single piece shingle manufactured with a factory-applied pressure sensitive sealant that is thermally activated. The dimension and geometry of the shingle's 1000mm x 152.4mm exposure, and particularly cold temperature induced stiffness at the leading edge of the exposure where sealant is applied, can result in enough shingle stiffness to delay sealing between shingle courses. Also, direct exposure to the sun activates the sealant when the temperature exceeds 74°F (23°C) and warms the shingle to a temperature that should negate this stiffness, allowing the shingles to relax and bond when the two courses are in contact with each other.

Several factors impact the activation time of the sealant, and whether or not the shingles will relax and make contact with the shingle course below, including but not limited to: geographic location, roof slope, roof orientation (relative to the direction of the sun), shingle temperature at the time of install, and the average daily outdoor temperature before, during and after installation. Cold and stiff shingles installed in air temperatures below 55°F (13°C) and when direct sunlight is not present to warm the shingles to at least 74°F (23°C) before, during and after installation, or when the two courses are too cold and stiff to contact each other may not immediately relax and seal until warmer temperatures are present. [This issue only applies to REVIA Performance Architectural Shingles.](#)

## Recommendations

**F-Wave REVIA Performance Architectural Shingles should not be installed unless the air temperature is at least 55°F (13°C) and rising and the roof area surface temperature is at or above 74°F (23°C) and rising, and the roof area will experience direct sunlight for a period of several days after installation and the shingle bundles have been adequately warmed by direct sunlight for several hours prior to installation.** Prior to scheduling and beginning installation:

1. Assure that the air temperature is 55°F (13°C) and rising, and will remain so through the completion of the installation and for several days after;
2. Assure that all shingles are warmed by direct sunlight for several hours prior to installation;
3. Assure that all roof areas will experience direct sunlight and a surface temperature above 74°F (23°C) during installation and for several days after installation;

During installation and upon completion of each roof area:

4. Be sure to nail all shingles correctly, including fully driven (not over-driven) and flush nail heads;
5. Be sure to immediately remove all debris, bundle film and release tape from the sealant line;
6. Assure that all courses are fully contacted and sealed by walking all sealant lines after completion of each roof area.