

## Fire Retardant Coatings of Weyerhaeuser Engineered Wood Products

Weyerhaeuser is often asked to facilitate the application of fire-retardant (FRT) coatings to Weyerhaeuser Engineered Wood Products (Weyerhaeuser EWP). As a primary condition, all treatment of Weyerhaeuser EWP with a topical coating must comply with the requirements in *Use of Topical Coatings with Weyerhaeuser Engineered Wood Products* ([TB-310](#)).

Third-party, factory-applied FRT coatings or treatments that require pressurized treatment, dipping, or soaking in liquid fall within the exclusions listed in [TB-310](#) and void the Weyerhaeuser product warranty. Weyerhaeuser will not facilitate the application of such coatings or treatments to Weyerhaeuser EWP.

For FRT coatings that do not automatically void the warranty (i.e., do not fall within the exclusions listed in [TB-310](#)), Weyerhaeuser will consider facilitation of the coating process, only if the coating has been evaluated by an accredited agency like the International Code Council Evaluation Service (ICC-ES) for use on similar engineered wood products as an alternative to FRT materials prescribed in 2018/2021 International Building Code® (IBC®) Section 2303.2.

The requirements to be considered an alternative coating material include:

- Meets the performance requirements in 2018/2021 IBC Section 2303.2 (the extended ASTM E84 (30 min) test).
- Demonstrates effectiveness after accelerated aging conditions – including exposure to water, freezing, and UV light.
  - To ensure the coating will remain intact and effective throughout the construction cycle and the life of the structure.
- Demonstrates potential corrosiveness like untreated wood or requires corrosion-resistant metal hardware/connectors.
- Demonstrates no reduction in mechanical properties of the wood product due to the coating both before and after exposure to conditions of elevated moisture and temperature.
- Is applied through a process with established quality control and oversight by an accredited agency.

ICC-ES has developed acceptance criteria to evaluate and ensure the FRT coating meets these requirements. AC47 pertains to structural composite lumber, AC124 pertains to rim board, and AC479 and AC516 pertain to wood structural panels. However, evaluation in accordance with any of these acceptance criteria does not waive the requirement for the coating to comply with [TB-310](#).

**If you have any questions, please contact your Weyerhaeuser representative.**