

Use of Topical Coatings on AcuJoist ACJ Series I-Joists Manufactured by AcuTruss

To enhance certain properties such as appearance, mold resistance, insect resistance, flame spread, or fire endurance, a designer, builder, or homeowner may choose to apply a topical coatings to AcuJoist ACJ Series I-Joists. This document provides guidance regarding the use of topical coatings and the impact on the limited product warranty.

While the application of a topical coating to AcuJoist ACJ-Series I-Joists is not an immediate violation of the AcuTruss limited product warranty, any damage or degradation to the I-Joists from the coating or its application process will void the warranty. It is the responsibility of the coating manufacturer and applicator to ensure suitability for use with AcuJoist ACJ-Series I-Joists. The method(s) of verification and/or conditions of acceptability are the responsibility of the coating manufacturer or applicator.

Typically, a topical coating will not cause damage to AcuJoist ACJ Series I-Joists if it has a pH level within the range of 7 to 9, is applied without pressure or soaking and does not contain chemicals that are detrimental to wood or I-Joists. Chemicals that are detrimental to wood and I-Joists include, but are not limited to:

- Strong acids or oxoacids (e.g. hydrochloric acid, sulfuric acid, phosphoric acid, acetic acid).
- Salts of oxoacids (e.g. monoammonium phosphate).
- Oxidizing agents (e.g. hydrogen peroxide).
- Enzymes (e.g. cellulases, lignase).
- Salts of metals (e.g. salts of manganese, iron, chromium, iron chloride).

Exclusions

AcuTruss makes no claim or warranty regarding AcuJoist ACJ Series I-Joists with applied coatings where any one of conditions 1 through 5 are true. The use and/or contact of such coating with AcuJoist ACJ Series I-Joists is specifically prohibited and such use voids any AcuTruss product warranty.

1. The coating has PH less than 7 or greater than 9.
2. The coating contains a component in the bulleted list above.
3. The coating contains a component with a similar potential to adversely affect wood or I-Joists as the chemicals in the bulleted list above.
4. The coating is applied by dipping, soaking, pressure-treatment, or other method which provides prolonged or intensive exposure of the I-Joist to liquid.
5. The coating contains VOC's in excess of the allowable limits of CDPH Standard Method V1.2.

In addition, AcuTruss makes no claim regarding items 6 through 9 for which the coating manufacturer and applicator are responsible for:

6. The efficacy and durability of any coating for its stated purpose when applied to AcuJoist ACJ Series I-Joists.
7. The adhesion of any coating to AcuJoist ACJ Series I-Joists.
8. The potential corrosiveness of any coating on metal fasteners or hardware in contact with such coating.
9. The long-term effects of any coating on AcuJoist ACJ Series I-Joists.

Limitations

- When AcuJoist ACJ Series I-Joists are re-sold or distributed after application of a coating, the coating manufacturer is responsible for meeting all regulatory requirements associated with the sale or distribution of the coated product (i.e., Safety Data Sheets (SDS) for the coated product, labeling in accordance with Provincial and Federal regulations, etc.)
- The installation of AcuJoist ACJ Series I-Joists for end-use applications where the product will be exposed to repeated wetting or permanent exposure to the weather voids any AcuTruss product warranty.
- Coatings which obscure product identification marks may make identification of the manufacturer impossible. If product identification marks are not clearly visible, documentation shall be required to prove that the product in question was manufactured by AcuTruss and qualifies for a warranty before initiating any warranty claim.