

SECONDARY TREATMENT OF REDBUILT™ PRODUCTS

This technical bulletin explains which preservative treatments typically considered for wood based products are compatible with RedBuilt™ products. These types of treatments include preservatives such as fungicides, insecticides, and fire retardants. This bulletin covers RedBuilt™ products used in residential or commercial applications; for other applications, including industrial, consult your RedBuilt™ representative.

RedBuilt™ products are made of wood fiber and adhesives. The species of wood material in RedBuilt™ products is what makes them susceptible to wood-destroying fungi, insects, and fire—unless they are properly treated for protection.

Preservative Treatments

RedBuilt™ products must be used in dry service applications and protected from direct exposure to moisture. They are not approved for unprotected exterior or wet service applications and cannot be treated for use in such applications. However, RedBuilt™ products may be preservative treated for protection against wood destroying insects and rot. Refer to the American Wood Protection Association (AWPA) for Use Category definitions. Details regarding four specific treatment applications are shown below:

- **Waterborne Preservative Application**

In wet service applications, a waterborne carrier is a method commonly used to treat wood with preservatives such as CCA, CA-B, ACQ, etc. RedBuilt™ products are not suitable for use in wet or exposed applications and cannot be treated with waterborne preservatives.

- **Oil-based Preservative Application**

Preservatives applied with oil borne carriers such as creosote or pentachlorophenol treatments are not approved for use with RedBuilt™ products.

- **Light Organic Solvent Preservatives (LOSP)**

LOSP treatments use a mineral spirits-based carrier to deliver active ingredients under light pressure. RedBuilt™ products used in dry service applications may be LOSP-treated with HI-Clear II™ or TRIB II® for protection from wood destroying insects and rot. Design properties for RedBuilt™ products are not affected by these treatments.

- **Spray-on Preservatives**

Today's market offers numerous topical (spray-on) preservative treatments, such as BluWood® and FrameGuard®, that provide mold or insect protection. Although these treatments do not appear to alter the wood or have a detrimental impact on RedBuilt™ products, RedBuilt does not offer products with such treatments and has not evaluated the short or long term effects these treatments may have on our products' structural performance. The preservative manufacturer is responsible for the treatment's compatibility with wood based products, and for how effectively the treatment retards mold, insects, etc. Any degradation of RedBuilt™ products associated with secondary treatment would not be covered under the RedBuilt product warranty.

Fire Retardant Treatment

RedBuilt has not evaluated any of the currently available pressure-based fire retardant treatments; therefore, these treatments are not approved for use with RedBuilt™ products.

Additionally, RedBuilt has not evaluated spray-on fire retardants or intumescent. These products are often used to achieve a Class A flame spread rating. RedBuilt is not aware of any detrimental impact of using such topical treatments on wood based products; however, as with spray-on preservative treatments, the fire retardant manufacturer is responsible for the treatment's compatibility with wood based products, as well as how effectively the treatment retards fire, flame spread, etc. Any degradation of RedBuilt™ products associated with secondary treatment would not be covered under the RedBuilt product warranty.

Fire Rated assemblies that help protect wood from exposure to a fire have been evaluated per ASTM E119 and are included in the RedBuilt Product Evaluation Report ICC ESR 2994 for Red-I™ Joists and ICC ESR 1774 for RedBuilt Open-Web trusses.