



TECHNICAL BULLETIN 300

ISSUED: JULY 2011

SUBJECT: SECONDARY TREATMENT OF REDBUILT PRODUCTS

This technical bulletin is to clarify the compatibility of RedBuilt™ products with treatments typically considered for wood based products. These treatments include preservatives such as fungicides or insecticides as well as fire retardants. This bulletin covers RedBuilt products used in residential or commercial applications, consult RedBuilt for other applications including industrial.

RedBuilt products are a combination of wood fiber and adhesives. The wood species used in RedBuilt products make them susceptible to wood destroying fungi, insects, and fire unless properly treated.

Preservative Treatments

RedBuilt products must be used in dry service applications protected from direct exposure to moisture and may be preservative treated for protection against wood destroying insects and rot. RedBuilt products are not approved for unprotected exterior or wet service applications and cannot be treated for use in such applications. Refer to the American Wood-Preservers' Association AWWA for definition of Use Category. Details regarding specific treatment applications are shown below:

- **Waterborne Preservative Application**
A waterborne carrier is an economical method to treat wood with preservatives such as CCA, CA-B, ACQ, etc. for wet service applications. RedBuilt products cannot be treated with the waterborne preservatives and they are not suitable for use in exposed applications.
- **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)**
These treatments use a mineral spirits based carrier to deliver active ingredients under light pressure. RedBuilt products may be LOSP treated with Hi-Clear II™ or TRIB® II for use in Dry Service applications for protection from wood destroying insects and rot. Design properties for RedBuilt products are not affected by these treatments.
- **Spray on Preservatives**
There are numerous topical (spray-on) types of preservative treatments available in the market to provide mold or insect protection (BluWood®, FrameGuard®, etc). RedBuilt™ does not supply any products with such treatments and has not evaluated the short or long term effects of these treatments on the structural performance of RedBuilt™ products. These treatments do not appear to alter the wood or have a detrimental impact on RedBuilt products. The preservative manufacturer is responsible for the treatments compatibility with wood based products, as well as the effectiveness of the treatment to retard 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 pressure based Fire Retardant treatments on the market today and these treatments are not approved for use with RedBuilt products.

RedBuilt has not evaluated spray-on fire retardants or intumescent. These products are often used to achieve Class A flame spread rating. RedBuilt is not aware of any detrimental impact of using such topical treatments on wood based products. As with spray-on preservative treatments, the fire retardant manufacturer is responsible for the treatments compatibility with wood based products, as well as the effectiveness of the treatment to retard 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 to protect the wood from exposure to a fire have been evaluated per ASTM E119 and are included in RedBuilt Product Evaluation Report ICC ESR 2994 for Red-I™ Joists and ICC ESR 1774 for Red-OW™ trusses.