

## Re-Sawing Microllam® LVL, Parallam® PSL, and TimberStrand® LSL

The following policy addresses re-sawing of Microllam® LVL, Parallam® PSL, and TimberStrand® LSL to reduce dimensional sections for use in structural applications. The policy highlights specific recommendations for Parallam® Plus PSL. Failure to comply with these provisions voids any and all express, implied, or written warranties for Weyerhaeuser products.

### Untreated Microllam® LVL, Parallam® PSL, or TimberStrand® LSL

These Weyerhaeuser products may be re-sawn down to depths of 3 ½" (89 mm). Additionally, Parallam® PSL and TimberStrand® LSL may be re-sawn down to thicknesses of 1 ¾" (44 mm); Microllam® LVL must maintain original thickness. When Parallam® PSL is re-sawn to thicknesses less than 3", reduce joist orientation bending strength by 7%.

Caution must be taken to assure that all grade stamp information is maintained for any product used in structural applications. When product grade information is removed, the product shall not be used for structural applications unless Weyerhaeuser's third-party quality agency – PFS Corporation – approves and monitors the application of additional stamps. A manufacturing standard written by the fabricator and approved by Weyerhaeuser and the third-party agency is necessary. For re-sawn sections cut into approved structural sizes, the allowable design stresses of are covered under the applicable code evaluation reports and shall be re-stamped as indicated in the approved manufacturing standard of the fabricator.

Fabricators using the product for internal purposes only (i.e. factory built, mobile modular manufacturers) may elect to use sections without grade stamps in structural applications. In such scenarios, all products with structural identification stamps removed shall be assumed as 2.0E for Microllam® LVL, 1.8E for Parallam® PSL, or 1.3E for TimberStrand® LSL. It is the responsibility of the fabricator to provide traceability in their "quality system" that the product used in these applications was cut from original on-grade structural product. Such fabricators are not to carry inventory of both non-structural and structural grades of products.

Depth and thickness dimensions of finished pieces shall maintain tolerances  $\pm 1/16"$  (1.5 mm) of nominal. Plumb cuts shall be square to  $1/16"$  (1.5 mm) per foot of height of finished product. No camber or curvature that exceed ½" (12 mm) per 48 feet of length in the finished beam shall be introduced by the cutting. Smaller lengths shall be allowed curvature of similar ratio.

Re-sawing the material may remove sealant that Weyerhaeuser applies to minimize swelling. Extra precautions may be necessary when removing this protection. Users are cautioned to avoid prolonged exposure to moisture by keeping product dry and protected. If delays in installation are expected, the application of commercially available wood sealer may provide some protection.

Care shall be taken to re-saw only dry material. This is critical for dimensional stability and to meet design requirements for "dry-use" applications.

Weyerhaeuser guarantees that the allowable design stress stated within our ICC-ES ([ESR-1387](#)) and CCMC evaluation reports are applicable to re-sawn product that is processed in accordance with the policy outlined in this technical bulletin. Weyerhaeuser has no control of our fabricator's re-saw product and cannot guarantee or accept responsibility for the dimensional tolerances or finished surface appearance.

### Parallam® Plus PSL

Parallam® Plus PSL must maintain its original cross section. The product shall not be re-sawn in depth or thickness. Parallam® Plus PSL may be cut to length.

### Trib® II Type B Pressure and Dip Treated Wood

Structural Composite Lumber (SCL) products treated with Trib® II Type B for termite resistance must maintain the original cross section. However, these products may be cut to length as necessary.

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