

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. Failure to comply with these provisions voids any and all express, implied, or written warranties for Weyerhaeuser products.

Untreated Microllam® LVL, Parallam® PSL, and TimberStrand® LSL

Untreated Microllam® LVL, Parallam® PSL, and TimberStrand® LSL Weyerhaeuser products may be re-sawn to a minimum depth of 3½" (89 mm). Additionally, Parallam® PSL may be re-sawn to a minimum thickness of 1¾" (44 mm); Microllam® LVL and TimberStrand® LSL must maintain original thickness. When Parallam® PSL is re-sawn to thicknesses less than 3", joist orientation design bending strength shall be reduced by 7%.

Grade Stamps

Caution must be taken to assure that all manufacturing and grade information is maintained for any product used in structural applications. Except as permitted below for fabricators with an approved quality management system, when product manufacturing and 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. Approval to apply new stamps requires a manufacturing standard to be written by the fabricator, approved by Weyerhaeuser, and approved by the third-party agency. When stamps are removed and new stamps are applied by approved fabricators, the product shall be re-stamped with the grade and production information as indicated in the approved manufacturing standard of the fabricator.

Fabricators using the re-sawn product as a component of a larger assembly constructed by them under an approved quality management system (i.e. factory built, mobile modular manufacturers) may elect to use re-sawn sections without grade stamps in structural applications. In such scenarios, all products with structural identification stamps removed shall be assigned grade 2.0E for Microllam® LVL, grade 1.8E for Parallam® PSL, or grade 1.3E for TimberStrand® LSL. It is the responsibility of the fabricator to provide traceability of the original manufacturing and grade information in their quality management system to enable verification that the re-sawn product used in these applications was cut from original on-grade structural product. Such fabricators shall not carry inventory of both non-structural and structural grades of products.

Tolerances

Depth and thickness dimensions of finished pieces shall maintain tolerances within $\pm 1/16"$ (1.5 mm) of nominal, except for TimberStrand® LSL (finished depths $\geq 9\frac{1}{2}"$) and rim board products which shall maintain a depth tolerances within - 0", $+1/16"$ of nominal. No camber or curvature that exceeds 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 radius. Weyerhaeuser has no control of a fabricator's re-sawn product and cannot warrant or accept responsibility for the dimensional tolerances or finished surface appearance.

Moisture Considerations

Re-sawing the material may remove sealant that Weyerhaeuser applies to minimize water absorption. 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.

Allowable Design Stresses

Allowable design stresses stated within our ICC-ES ([ESR-1387](#)) and CCMC evaluation reports are applicable to re-sawn product that is fabricated in accordance with the policy outlined in this technical bulletin.

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. See [TB-603](#) for further information.

Trib® II Type B Treated Structural Composite Lumber

Microllam® LVL and Parallam® PSL treated with Trib® II Type B for termite resistance must maintain the original cross section. The products shall not be re-sawn in depth or thickness. However, these products may be cut to length as necessary and end coated with an appropriate preservative. See [TJ-1020](#) for further information.

StrandGuard® TimberStrand® LSL

Resawing of StrandGuard® TimberStrand® LSL shall be subject to the same limitations as untreated TimberStrand® LSL.

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