



EXTERIOR USE LAMINATED VENEER LUMBER

Structural LVL for Above-Ground Exterior Use

Not only fit for purpose, just plain awesome. We pride ourselves on producing not only innovative products but products that look amazing. Who cares if it won't be seen in a build? Well, we do.

Features

- ICC-Es Certified ESR-5360
- FSC and PEFC Environmentally certified and sourced
- H2O coating for jobsite install water protection
- **25-Year Limited Warranty against Termite Attack and Decay**



How is our Exterior LVL different?

Our LVL is Manufactured with Chemically Treated Veneers. Not just glue line treatment. No envelope coatings. The actual wood itself.

What does this mean?

Approved cuts, trims, and drilled holes do not require additional end treatment to restore preservative protection. That's right, you heard us. None.

25-Year Limited Product Warranty

Evolution Exterior LVL is backed by a USA 25-Year Limited Product Warranty for approved above ground application.

Engineered for Long-Term Performance

Evolution Exterior LVL is engineered for structural applications where durability, reliability, and long-term performance matter. It is evaluated for AWP A P45 Use Categories UC1 through UC3B and intended for above-ground exterior applications including structural members that are hard to maintain, repair, or replace and are critical to structural performance and safety.

Available grades: 3,100Fb-2.1E and 3,200Fb-2.3E

Available thicknesses: 1-1/2 in. to 7 in.

Available depths: 3-1/2 in. to 24 in.

Available lengths: Up to 48 ft

Structural applications: Recognized for beams, headers, joists, rafters, and wall plates.



Exterior above-ground use:
AWPA P45 UC1 through UC3B.

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Reference Design Properties

Grade	E-True	E-Apparent	F _b (psi)	F _v (psi)	F _{c⊥} , beam (psi)	F _c , axial (psi)	F _t , axial (psi)
3,100Fb-2.1E	2.1	2.0	3,100	300	650	2,200	2,100
3,200Fb-2.3E	2.4	2.3	3,200	300	750	3,200	2,200

Values shown are excerpted from ICC-ES ESR-5360, Table 1, and limited here to beam-orientation and axial values for summary use. Full technical values are available separately.

Notes

- **E-True** is the shear-free modulus of elasticity. **E-Apparent** includes the effects of shear deformation.
- Reference design values are for **normal duration of load** and must be used with the applicable adjustment factors required by the **2024 or 2018 NDS**. **Modulus of elasticity** and **compression perpendicular-to-grain** are **not adjusted for duration of load**.
- For **Evolution Exterior LVL**, where in-service average moisture content equals or exceeds **16%**, apply the **wet-service factor, C_m**, in accordance with the applicable **NDS**.
- Beam-orientation **F_b** is based on a **12-inch reference depth**. For other depths, adjust **F_b** by $(12/d)^{0.25}$; for depths **3-1/2 inches or less**, multiply **F_b** by **1.361**.
- **F_t** is assigned for a **3-foot standard length**. For lengths longer than **3 feet**, apply $(3/L)^{0.125}$. The **bearing area factor, C_b**, may be applied to **F_{c⊥}** in accordance with the **NDS**.

Important Information

Design and installation must comply with the applicable building code, ICC-ES ESR-5360, and Evolution's published installation instructions. Mechanical connection design must comply with the applicable NDS. In the event of a conflict between the manufacturer's published installation instructions and the governing ESR, the ESR governs.

Evolution Exterior LVL is intended for above-ground exterior applications only within evaluated AWPA P45 UC1 through UC3B scope. Reference design values shown are excerpted from the governing ESR for the PTI-treated grades and must be used with all applicable NDS adjustment factors, including wet-service factor C_m where in-service average moisture content equals or exceeds 16%. Connections outside the nailed and bolted provisions described in the governing report are outside report scope. Engineering calculations and drawings are required where mandated by the jurisdiction and must be prepared by a registered design professional where required by law. ICC-ES evaluation reports are not endorsements, recommendations, or warranties.

25-Year Limited Product Warranty for approved above-ground applications only. Covers structural failure due solely to fungal decay or termite attack, subject to all terms, conditions, exclusions, limitations, and claim procedures in the full Limited Warranty. Product-only coverage; exclusive remedy is replacement or refund of original purchase price.