

MATERIALS & ADHESIVES DISCLOSURE

LETO Bamboo Solid Plywood and Veneer

Product

LETO Bamboo solid plywood and veneer is manufactured from boiled, kiln-dried plantation *Phyllostachys Pubescens* (Moso bamboo) for Bord Products Pty Ltd.

Product range:

- Narrow grain natural solid plywood
- Narrow grain carbonised solid plywood
- Wide grain carbonised solid plywood
- Strand woven carbonised solid plywood
- Narrow grain natural veneer (on plywood substrate)
- Narrow grain carbonised veneer (on plywood substrate)

Thicknesses range from 1.5mm to 40mm. Standard sheet size is 2440 x 1220mm.

Adhesives Used in Manufacture

LETO Bamboo plywood is bonded using formaldehyde-based resin adhesives sourced from a major industrial adhesives supplier. The adhesive systems used in production are:

- Urea formaldehyde (UF) resin
- Melamine formaldehyde (MF) resin

Adhesive selection varies by product line based on intended end use and the specific manufacturing process for each panel type. Both systems are commercially standard for engineered bamboo and timber panel manufacture.

Adhesives are fully cured during the panel manufacturing process. Cured resin forms a stable polymer matrix that locks formaldehyde into the panel structure, with the result that finished-product emissions are at or below the laboratory method detection limit (refer to test data below).

Compliance Verification

Finished LETO Bamboo plywood is independently tested for formaldehyde emissions by SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. Tested products comply with:

- California Air Resources Board (CARB) Airborne Toxic Control Measure (ATCM) Phase 2, Title 17 §93120.2(a). Limit for hardwood plywood: 0.05 ppm.

- US Environmental Protection Agency, Toxic Substances Control Act (TSCA) Title VI, 40 CFR Part 770.10 (where tested). Limit for hardwood plywood and laminated product: 0.05 ppm.

In all SGS testing to date, formaldehyde emissions from LETO Bamboo solid plywood have been below the 0.01 ppm laboratory method detection limit. Refer to the LETO Bamboo Formaldehyde Emissions Compliance Statement for specific test report references.

Further Information

For full SGS test reports, project-specific compliance documentation, or technical questions, please contact Bord Products at orders@bord.com.au.