

Technical Bulletin

Benefits of TimberStrand Interior Components in Flush Wood Doors

- TimberStrand laminated strand lumber (LSL) is an engineered lumber product designed to replace sawn solid lumber for rails and interior blocking.
- TimberStrand is manufactured with 1" wide wood strands and is bonded with a type I polyurethane resin. This resin will not degrade or fall apart when exposed to moisture. Once cured it is completely inert and does not emit any formaldehyde gasses.
- TimberStrand will swell less than typical Hardwood or Softwood, thereby reducing uneven cores, producing more consistent sanding and minimizing core telegraphing.
- TimberStrand LSL engineered lumber is stiffer, stronger, straighter and more stable than Hardwood or Softwood commonly used in Architectural Doors. TimberStrand reacts to liquid and vapor moisture slower than hardwood lumber; it is more tolerant of extreme exposure conditions. It is also more resistant to twisting, cupping, warping, splitting or bowing than solid wood components.
- TimberStrand has no knots, wane, or grain defects, virtually eliminating waste. TimberStrand does not have to rely on old growth timber. The combination makes for a much more environmentally friendly use of wood than stave lumber core products.
- TimberStrand LSL is more consistent, piece-to-piece, in strength, moisture resistance, and dimensional tolerances, which means tighter assemblies and more reliable and predictable performance.