

TECHNICAL NOTE

FOR ADDITIONAL INFORMATION: www.frtw.com or 1.800.TEC.WOOD (832.9663)

KILN DRIED AFTER TREATMENT (KDAT)

Wood naturally absorbs and releases moisture to maintain equilibrium with the surrounding environment. Freshly treated woods' moisture content is above the fiber saturation point and dimensions are at their maximum. Uneven drying of wood - in which the surface dries faster than the interior - causes stress in the wood. This stress can result in checking, splitting, warping, cupping, and twisting. Because kilns control the rate of drying, ***kiln drying after treatment (KDAT)*** helps minimize the stress that causes these issues.

KDAT is recommended for **Dura-Guard®**, **Micro-Guard®** and **CCA** preservative treatments. **KDAT** preservative treated products are dried to 18% for plywood and 19% for dimensional lumber.

ADVANTAGES OF KILN DRYING AFTER TREATMENT (KDAT)

1. **Reduced Shrinkage** - When wood gets wet it expands and contracts as it dries. On the job site, **KDAT** wood can be installed without significant shrinkage or movement.
2. **Stable** - Wet treated wood exposed to ambient weather conditions and direct sun light tends to check, split, warp, cup or twist. **KDAT** material is uniformly dried to consistent moisture content closer to average ambient service conditions and is more stable when exposed to the elements. For treated wood that is destined for a manufacturing process, **KDAT** is recommended as wood dimensions are more consistent for milling or machining.
3. **Light weight** - Hoover's **KDAT** lumber and plywood is lighter and easier to handle than wood that is wet from treatment. Board footage can be maximized on a truck for more economical shipping.
4. **Stronger** - Wood strength and stiffness is a function of moisture content, i.e., dry wood is stronger than wet wood.
5. **Can be finished or sealed more promptly** - Manufacturers of coatings and adhesives do not recommend the use of their products with wet wood, treated or not. Paints, stains, coatings or adhesives should be applied to **KDAT** wood in accordance with the manufacturer's specifications.
6. **Cleaner** - Wet treated wood may exhibit mold or mildew. **KDAT** lumber and plywood is delivered in waterresistant coverings which keep it clean, dry, and ready for use.