TRU-DRY®
BY CRAFTMARK

Radio Frequency Kiln Dried Timbers: Benefits

Customization of Drying

• Conventional drying methods only dry the outer 1-1.5" of a timber. RFV drying will dry the entire timber evenly to its center.

• Radio frequency vacuum kilns have a compressive loading system which applies 250,000 lbs. of pressure on the charge throughout the drying cycle. Because of this, lumber remains straighter and truer than when dried conventionally.

Reduced Checking

• The vacuum also helps draw moisture out through the same natural veins water traveled while the tree was standing. An additional benefit of this method is significantly reduced surface checking as water doesn't have to escape through the surface of the lumber.

• In a vacuum environment water turns into steam at roughly 90° Fahrenheit. This allows for a gentler drying cycle for the lumber.

Dried To The Center

• Another advantage with our process is the time it takes to dry a charge. Most charges can be dried to the center in 5-7 days whereas a conventional charge may take up to 45 days to dry just the outer shell of a timber.

Better Off Dried

• Dried timber is lighter, and hence the transportation and handling costs are reduced.

• RFV drying process does not case harden the timber Like conventional drying can.

• Dry wood works, machines, finishes and glues better than green timber. Paints and finishes last longer on dry timber.

Other Benefits

• The "Green" effort:

  - Energy Efficiency: RFV use less energy per gallon than conventional kilns.

  - Drying in a closed environment: RFV only emits water filtered through charcoal filters.

  - Balancing pH: Our water emissions balance the pH levels of the city's water system.

  - We do not add to green house gas emissions with steam stacks.

Electricity In Action

• Our kilns are powered by electricity that comes from Bonneville Power Administration which is a very clean energy source in the Pacific Northwest.

2900 NE Orchard Ave, McMinnville, OR 97128

503-883-4100