

- **30 YEAR WARRANTY AGAINST ROT & DECAY** Thermal modification process removes all sugars and resins from the wood, which is partly what causes the wood to rot and decay. The resins and sugars are "cooked" off by longer term exposure to heat, 40 hours.
- **MOISTURE RESISTANT** During the thermal modification process the cellular structure of the wood is actually burned or fused together. This causes the wood to be impervious to any further moisture entering it. The wood, upon completion of the process, has approximately 4.0% moisture and will not absorb any more.
- **INSECT RESISTANT** The same process that stops rotting and decay in the wood, also makes the wood resistant to insects. With no "food source" left in the wood, the insects will not feed.
- **DIMENSIONALLY STABLE** The same process that stops rotting and decay in the wood, also makes the wood resistant to insects. With no "food source" left in the wood, the insects will not feed.
- **HIGH STRENGTH** Because EcoPrem Wood can not absorb more water the wood becomes very dimensionally stable. Water can cause wood to grow or shrink depending on the moisture content. EcoPrem Wood maintains it's dimensions and shape even after installation.
- **LIGHT WEIGHT** EcoPrem wood is extremely light weight in comparison to other natural woods. The lack of moisture, resins, and sugars makes for a light weight material
- **RESISTANT TO WARPING & TWISTING** Once again the inability of EcoPrem Wood to absorb water helps it resist the warping, twisting and cupping normally associated with natural wood.
- **CHEMICALLY FREE** EcoPrem Wood is created through a thermal modification process that does not use any chemicals. Only heat and steam are applied to the wood. The natural wood is only modified, nothing is added, only removed.
- **ENVIRONMENTALLY SAFE** Because EcoPrem Wood contains no harmful chemicals it can be disposed of in the same manner as any untreated wood, such as, disposal in landfills, use as mulch, campfires, or waste burning, etc.
- **WEATHER RESISTANT** EcoPrem Wood is only effected by ultraviolet light from the sun and it only changes the color of the wood. EcoPrem Wood begins as a natural warm brown color and when exposed to sun light will turn a soft gray color. Other than changing colors the weather and causing some minor surface checking, the sun has little or no effect on the material
- **STAINABLE & PAINTABLE** EcoPrem Wood can be stained or painted, but only with oil based products. Because the material will not absorb any more moisture, any water based stains or paints will not penetrate the wood.
- **NON HAZARDOUS TO HUMANS** Again EcoPrem Wood is chemically free and poses no potential harm to humans or animals. No protective clothing is needed. Normal safety protocols need to be used when working with any power tools.
- **SUPERIOR WORKABILITY** EcoPrem Wood is a natural wood and as such can be handled and utilized in the same manner as any wood material. In fact because of the low moisture content the material cuts and works better than most wood. Normal saws, routers and other wood working equipment can be utilized with the wood without problem
- **SUSTAINABLE** All EcoPrem Wood is processed from U.S. grown Southern Yellow Pine. Wood grown in the U.S. is harvested from sustainable forests. Trees are harvested and replanted all of which is overseen by the U.S. government.