



ACETYLATED RADIATA PINE



ABOUT ACETYLATION

Acetylation is a process of subjecting a softwood to a vinegar solution, which turns it into a hardwood by preventing the cells in the wood from being able to absorb water. (Turning water-loving hydroxyl groups into water-repelling acetyl groups). This creates a wood that is incredibly resilient to the common material stressors of the outdoors.

SUSTAINABILITY CLASSIFICATIONS

Accoya wood has a long list of sustainability certifications such as the Forest Stewardship Council®, Gold Cradle to Cradle Status®, the Nordic Swan Ecolabel® and Declare®. These certifications are achieved by meeting high standards of both increased transparency and verification of the environmental impacts of Accoya's woods.

JANKA HARDNESS RATING

1,400 LBS

FIRE CLASS RATING

CLASS C

ORIGIN

Wood is sourced from New Zealand.

DURABILITY CLASS RATING

CLASS 1

One of the most resilient woods currently available with a 50 year above ground warranty.

TREATMENT / FINISH

Acetylated pine comes in silvered or uncoloured. The uncoloured can be stained to any desired wood tone with an oil based stain.



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THERMALLY MODIFIED OAK



ABOUT THERMAL MODIFICATION

The process of thermal modification is one where the wood is “cooked” using only steam and fluctuating heat intensities. This alters the natural acids and sugars so they can no longer serve as food source for mold, rot, or fungal decay. It also drastically reduces the moisture content rendering the wood “hydrophobic” creating even more resistance and longevity without the use of any chemicals.

SUSTAINABILITY CLASSIFICATIONS

Carbon Smart Wood has a negative carbon footprint

This particular wood is salvaged from local waste streams rather than harvested. Trees are constantly removed due to disease, natural disaster, development, etc. Using these trees for lumber diverts them from the landfill.

JANKA HARDNESS RATING

1,200 LBS

FIRE CLASS RATING

CLASS B

DURABILITY CLASS RATING

CLASS 1

Life expectancy of 25+ years
against rot.

ORIGIN

Sourced from across
the USA.



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THERMALLY MODIFIED ASH



ABOUT THERMAL MODIFICATION

The process of thermal modification is one where the wood is “cooked” using only steam and fluctuating heat intensities. This alters the natural acids and sugars so they can no longer serve as food source for mold, rot, or fungal decay. It also drastically reduces the moisture content rendering the wood “hydrophobic” creating even more resistance and longevity without the use of any chemicals.

SUSTAINABILITY CLASSIFICATIONS

Carbon Smart Wood has a negative carbon footprint

This particular wood is salvaged from local waste streams rather than harvested. Trees are constantly removed due to disease, natural disaster, development, etc. Using these trees for lumber diverts them from the landfill.

JANKA HARDNESS RATING

1,400 LBS

FIRE CLASS RATING

CLASS B

DURABILITY CLASS RATING

CLASS 1

Life expectancy of 25+ years
against rot.

ORIGIN

Sourced from Eastern USA
and Canada.



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RECYCLED HDPE



ABOUT HDPE LUMBER

Premium Recycled Plastic Lumber is manufactured from purified blends of post-consumer, pre-consumer and/or virgin HDPE (high-density polyethylene) base resins. The HDPE material is melted down, blended with any required additives such as UV stabilizers, colorant and strengtheners, and forced through a "die". The die forms the recycled plastic into a profile as it comes out of the extruder.

SUSTAINABILITY CLASSIFICATIONS

This product has been certified by Green Circle to meet standards of at least 73% recycled material as well as a "closed loop" certification for product lifecycle.

FINISHES

Dozens of bright colour options, wood grain and embossed texture finishes.

FIRE CLASS RATING

CLASS A

ORIGIN

Pre and Post Consumer HDPE plastics from various sources.

DURABILITY CLASS RATING

No class rating applied to this product but using material composition of 100% high density polyethylene, creates a material significantly more dense and durable than most natural woods.

MAINTENANCE

Essentially maintenance free due to exceptional resistance to moisture, fading, insects, splintering, warping and other common outcomes from environmental stress.