

Wood Without Compromise



Class 1 Durability
Increased Hardness



Outstanding
Dimensional Stability



Guaranteed 50 Years
Above Ground & 25
Years Below Ground



Superior
UV Resistance



Effective Barrier
to Insect & Fungal
Decay



Improved
Thermal Insulation



100% Modified
from Surface to Core



Ease of Processing
& Coating



Source Certified
Sustainable



Non-Toxic
Recyclable



The mark for products from
well managed forests.
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All Accoya® is produced
from well managed,
sustainable sources,
including FSC, PEFC
and other regionally
certified woods.

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Against a backdrop of growing concern about the environmental impacts of the things we do and the materials we use, the popularity of wood is set to increase. Wood is easy to live with and use, as it is a versatile, beautiful material. However, it's not just these factors that will ensure a leading role for wood in our future, but a number of other reasons as well, including:

- ▶ Wood is a non-toxic, recyclable raw material.
- ▶ Wood is light, yet strong and easily worked.
- ▶ Wood offers good sound absorption properties.
- ▶ Wood is our only truly sustainable resource for construction.
- ▶ Wood is a natural insulator and, as such, reduces energy use.
- ▶ Wood reduces the effect of global warming, as trees and wood products act as carbon sinks.

Accoya® wood is an ultra-high performance all-natural solid wood, which has properties that surpass those of the best woods, yet is produced using a non-toxic process.

The Accoya® wood production process effectively increases the wood's acetyl content. This adds nothing to the wood that does not already naturally occur because acetyl groups are present within all wood species. In general, softwoods have an acetyl content of 0.5 to 1.5% and more durable hardwoods have an acetyl content of 2.0 to 4.5%. During the production process these levels are surpassed, significantly improving the source wood's durability and dimensional stability. Thus, Accoya® wood even outperforms the best endangered tropical hardwoods.

Increased durability means that Accoya® wood lasts longer, helping to conserve even sustainable wood sources. This extended life improves Accoya® wood's carbon sequestration advantages. Improved dimensional stability (less shrinking and swelling) means even more uses for wood and that wood coatings, such as paints and stains, will last longer and need to be maintained less frequently.

The by-products of our acetylation process are a small amount of valuable fertilizer, readily useable terpenes and acetic acid, which is reused thereby limiting the amount of raw materials utilized. Our plants follow strict processes to ensure minimal impact.

By comparison, chemical preservatives (such as oil, ammonia or heavy metal compounds) improve fungi and insect resistance; however, they do not improve dimensional stability. They also risk harming living organisms by leaching into the earth and present challenges for the safe disposal of the wood at the end of its serviceable life. Accoya® wood presents none of these problems, is 100% recyclable and may be reused in the same way as unmodified wood.

By using certified sustainably grown wood from well managed forests and improving its properties without adding toxins, Accoya® helps to protect threatened species, rainforests and local environments.

Accoya® wood can be used with absolute confidence and is suitable for a wide variety of applications, from the ordinary to the extraordinary. Where quality, durability, dimensional stability and reliability matter, Accoya® wood is the natural choice.