

# PermaDeck Maintenance

A RitikaaWood Guide

Wood is a material like no other. Created by nature to be both strong and beautiful, it offers warmth, character and endless design possibilities. RitikaaWood is proud to introduce Accoya that has been developed and commercialized using a revolutionary technology called Acetylation that enables wood to perform better and last longer.

Accoya® wood is produced using a non-toxic process which effectively converts certified sustainably grown solid softwood lumber into what is best described as a “new wood species” via acetylation. Distinguished by its durability, dimensional stability and, perhaps most importantly of all, its reliability, Accoya® wood is particularly suited to exterior applications where performance and appearance are valued. Accoya® wood offers a wealth of new opportunities to architects, designers, specifiers, builders and manufacturers.

While traditionally, Teak has been the most popular choice of Timber Species in India due to its excellent durability, termite resistance, strength & long life, Consistent availability of Good Quality

Good Quality Aged Teak Timber is increasingly rare. Currently the Teak that is available in India is mostly sourced from Plantation Forests and harvested from young and immature teak trees that are felled at 18 years rather than 75 – 80 years that has historically been the norm.

This results in the use of Timber that is not suitable to be put to use for the kind of applications that are normal for Teak. This results in common problems such as,

- 1) Jamming of Doors & Windows due to excessive expansion & contraction
- 2) Small sizes of lots available in consistent basis
- 3) Smaller lengths and sizes of Timber Bars resulting in compromises in Design.
- 4) Bent or Warped Timber available from Timber Supplier that is hidden in the lot delivered.
- 5) Poor Visual Quality with no. Of Knots on visible surfaces, Cracks, Fissures & Splinters that cause increased wastage.
- 6) High Moisture Content & Improperly and in most cases, inadequately Kiln Dried Timber which can not perform under demanding climatic.

Accoya® wood is a true alternative to increasingly scarce tropical hardwoods. At the present rate of tropical deforestation, the world's remaining tropical rainforests will vanish in just 30 years. As tropical hardwoods – favored for their strength, durability and reliability – become increasingly scarce, the demand for a high performance alternative is growing.

Accoya® wood answers this need, with properties that surpass those of the very best tropical hardwoods and the added benefit of sourcing from widely available fast growing, sustainable species. Wood is the ultimate naturally renewable building material. Accoya® wood furthers this benefit by only using certified, well managed, and sustainable sources.

Given below is a comparison between **Accoya & Teak** for a quick reference.

Sr. No.	Properties	Accoya	Teak	Benefits
1.	Dimensionally Stable	High	Medium	Doors & Windows made out of Accoya do not jam during Monsoon.
2.	Class 1 Durability	Yes	No	50 years Life in External Environment guaranteed.
3.	Termite Resistance	High	High	As good as Teak
4.	Decay & Fungal Resistance	Very High	Medium	No rotting or premature decay of timber
5.	Lower Life Cycle Cost	Yes	No	50 year life and less frequent maintenance resulting in lower LCC (Life Cycle Cost) and reduced inconvenience to clients
6.	Consistent Supply in Large Quantities with Warranties & Support	Yes	No	Origins of Teak bought from open market is unknown – country of origin, age of timber, are all unknowns. Particularly when large quantities of Teak are purchased, consistency of quality is difficult, leading to wastage and losses. On the other hand, Accoya timber is double checked not only in Netherlands, but also at RitikaaWood factory before use and comes with a certified grade and warranty of performance.