

THE FUTURE OF WOOD IS IN YOUR HANDS



classeco
class**eco** - suppliers of accoya wood joinery



Against a backdrop of growing concern about the environmental impacts of the things we do and the materials we use the popularity of wood - a versatile, beautiful material that's easy to use and to live with plays a leading role in our future as an eco friendly product.

By using sustainably grown wood and improving its properties without adding toxins, Accoya® wood helps to protect threatened species, rainforests and the environment.

Classeco is proud to supply a "High Technology Wood" of superior quality. Accoya® wood is the result of more than 75 years' research and development that have brought together a long-established and extensively researched wood modification technique, acetylation, and leading-edge technology to create and make this extraordinary "new wood species" commercially available for the first time.

Accoya wood is the material of choice for Window Frames, Doors & Shutters, Cladding, Siding, Facades Decking and Garden Furniture.



Not only does accoya wood have extremely low thermal conductivity but it is more durable and dimensionally stable than the best tropical hardwoods. It can be opaque coated or for those wishing to enjoy the natural look of wood, transparent coated. Accoya wood's low maintenance requirements add to its cost effectiveness and environmental credentials

Accoya® wood is set to become the material of choice for exterior applications and can be used for virtually anything, from windows to doors, decking to cladding and even for applications which are presently the preserve of non-sustainable materials.

Accoya® wood is perfect for outdoor use, with the performance of the best tropical hardwoods and much more besides:

- Class 1 durability - The best available.
- Outstanding dimensional stability which dramatically improves coatings adhesion and product performance.
- Lasting for 50 years above ground and 25 years in-ground.
- Environmental compatibility - non-toxic, 100% recyclable and sourced from sustainable forests.
- Consistent, measurable quality all the way through the wood, not just at the surface.
- Retained natural strength and beauty, increased hardness.
- Consistent supply from sustainably managed forests and plantations.



Pure Performance

Accoya® wood is modified all the way through, not just at the surface layer like many alternative treatments. This modification technique has two key advantages:

1. Users of Accoya® wood can have absolute confidence in the wood's durability in a way that has not previously been possible.
2. When Accoya® wood is cut or jointed there are no exposed non-acetylated surfaces in any dimension. This completely negates the need to apply additional chemical preservatives on-site, as is necessary with unmodified or envelope-treated woods.

Dimensional Stability

Swelling and shrinkage reduced by 75% or more doors and windows open effortlessly year round paints and varnishes last 3 or 4 times longer, greatly reducing maintenance costs.

Class 1 Durability

The most durable wood possible more durable than teak perfect for outdoor use.

Mould & Insect Durability

Accoya® wood is indigestible to insects and micro-organisms and is therefore more durable resistance to wood destroying fungi is dramatically increased Accoya® wood is virtually rot-proof.

Machinability

Accoya® wood is easy to machine and creates no challenges for product manufacturers and end users.

Non-Toxic

Accoya® wood is non-toxic, protecting the environment from the harmful effects of poisons leaching into the earth. Accoya® wood may be safely reused and recycled.

Resistance to UV Degradation

Accoya® wood has superior resistance to the effects of UV exposure, meaning that the wood's natural appearance is retained for longer.

Naturally Insulating

Accoya® wood has reduced thermal conductivity Accoya® wood is ideal for windows and cladding, where energy conservation is important.

Strong & Beautiful - As Nature Intended

The process does not compromise the wood's strength or natural beauty; hardness is increased Accoya® wood's high strength to weight ratio makes it suitable for challenging external applications, such as road traffic bridges.





Beautiful Timber - Exceptional Performance



Tried & Tested

Extensive laboratory and field testing by leading institutes around the world (including in New Zealand, USA, UK, Sweden, Malaysia, Indonesia, Russia, the Netherlands and Japan) has shown the performance of acetylated wood to be extremely reliable.

Accoya® wood has been thoroughly tested for dimensional stability, durability, UV resistance, paint retention and in-ground conditions to ensure optimal performance. In fact it's so reliable that for many years it has been - and continues to be - the benchmark against which other treatments and modifications are measured.

Accoya® wood's durability is Class1, matching and even exceeding the performance of nature's most durable woods. Durability is assessed by measuring weight loss over time in exposed conditions. Acetylation has been shown to improve durability against brown rot, white rot and soft rot significantly, with the percentage reduction in original mass being negligible compared to unmodified wood.

One of Accoya® wood's main advantages is that its key properties can be analysed by standardised scientific measurements after modification, enabling its durability to be guaranteed.



Coatings

Accoya® wood may be coated in the same way as any other wood, using transparent, translucent or opaque coatings. However, Accoya® wood's exceptional qualities dovetail perfectly with recent developments in the way in which coatings can be applied and maintained. Trials are underway with several leading coating manufacturers to develop guarantees for their systems used in conjunction with Accoya® wood.

Close collaboration with Sikkens, part of the world's leading paint company, Akzo Nobel, has resulted in a package of coatings guarantees for windows and doors that is set to create a new industry benchmark.

In many applications the frequency and cost of maintenance is a critical factor in determining the choice of material that is used. For designers, architects, builders and property owners, the extended coatings guarantees reinforce the excellent natural performance attributes of wood - beauty, strength, thermal efficiency and machinability - and reiterate the enhanced performance attributes of Accoya® wood: durability, dimensional stability and reliability.


30 year guarantee in conjunction with the Sikkens Sentinel Plus Wood Maintenance Protection Programme.

12 year guarantee for an opaque, fully factory applied coating system to first brush applied maintenance.

10 year guarantee for a translucent (wood stain), fully factory applied maintenance coating system, to first brush applied maintenance.



class^{eco}
class^{eco} - suppliers of accoya wood joinery

is a brand of **Classic Joinery (Midlands) Ltd**
and a licensed supplier of **accoya**  wood



www.accoya.com

Classic Joinery (Midlands) Ltd 55 Cradley Road, Cradley Heath, West Midlands B64 7BB
T 01384 637825 F 01384 564079 E info@classicjoinerymidlands.co.uk W www.classicjoinerymidlands.co.uk