



JAMES  
**latham**  
THE NATURAL CHOICE



accoya 

THE TIMBER EXPERTS



**accoya**   
from James Latham



**James Latham holds the broadest Accoya stock range of any distributor in the UK & Ireland. With racks loaded high in all of our depots, you'll never have to wait long for your order.**

Accoya has a solid reputation in joinery and architectural markets due its longevity and how easy it is to work with. It's perfect for exterior cladding, window and door frames, garden buildings and more. And when you buy it from James Latham, you can rely on our first class knowledge and excellent service too.

In fact, James Latham helped to develop the national markets for Accoya over 10 years ago which is probably why we're now responsible for more than half the entire sales of Accoya in the UK and Ireland. So why do so many people choose to buy Accoya from us? **There's no single reason - it's more of a combination.**

Firstly there's our stock holding; we hold the broadest range of sizes and deepest stock profiles of any other supplier, all available for speedy nationwide delivery from one of our 12 depots.

Then there's our in-depth product knowledge; each of our Depots has a dedicated Accoya Champion with a wealth of experience and technical knowledge formed over many years in the industry. And those Champions share that knowledge to support our customers every day.

The skilled machinists at Latham Timber Manufacturing - our specialist manufacturing division - advise on product specification and selection specifically for your individual cladding project. Whether it's bespoke or one of our popular cladding profiles, our skilled timber engineers produce your Accoya wood order with precision - from manufacturing and profiling through to coating and finishing.



Huge Stocks



Reliable Supply



Rapid Delivery



Product Knowledge



Excellent Service

# What is Accoya?

Accoya is a naturally modified timber; acetylated Radiata Pine to be precise. A beautiful, enhanced softwood that often exceeds the performance characteristics of the most durable hardwoods, but with industry-leading environmental credentials and a whole host of additional benefits.

The sustainably farmed timber is transported to the Netherlands to undergo the acetylation process. The rudiments of this technique are similar to the age-old school children's trick for protecting 'conkers' for the traditional game. Soak in vinegar, then bake in an oven, but in this case on an industrial scale. The primary solution used in the acetylation process - acetic acid - is the key constituent of vinegar.

The timber is modified all the way through to the core, not just at the surface layer like many alternative, envelope treatments. This modification technique has two key advantages:

- Accsys Technologies, Accoya wood's producers, ensure that every batch is of consistent quality and reaches the highest possible performance standards.
- When Accoya wood is cut or jointed there are no exposed non-acetylated surfaces in any dimension. This means there's no need to apply additional chemical preservatives on-site.



**Scan here to learn more about Accoya**





*“Highly durable, it withstands the test of any climate”*



# So many benefits...

Accoya brings unprecedented reliability for timber; it is checked and trusted not to visibly swell, shrink or distort. Highly durable, it withstands the test of any climate. And what's more, it stays that way – a 50 year above ground, and 25 year below ground and freshwater warranty are testament to the fact that you can expect to enjoy your Accoya wood for many decades to come.



## AT A GLANCE

- Rated Durability Class 1
- 50 year warranty above ground, 25 years in ground or freshwater
- Stable and easy to machine and install
- Better thermal insulation and moisture resistance than many hardwoods
- Clear faced
- Toxin free
- Low maintenance: on average, repainting is required every 10 years
- Certified by the FSC® (FSC-C007658) and Cradle to Cradle certified® at Gold level

# Applications



## Windows & Doors

Thanks to their stability, Accoya windows and doors open effortlessly all year round – and will continue to do so for decades to come. Long lasting coatings keep windows and doors looking pristine for longer, and the natural insulation keeps homes cosy and energy costs down. A low lifetime maintenance cost makes Accoya a solid long-term investment at little cost to the environment.



## Cladding

When aesthetics and low maintenance are critical, Accoya becomes the clear choice – it's ideal for cladding where the elements will do their worst. Long lasting coatings with low maintenance will keep cladding looking great. Bespoke profiles and finishes allow you to get the look you want, with the availability of various width and thickness boards allowing you ultimate creative freedom. **And new Accoya Color - coloured through completely from surface to core - offers a premium grey look that lasts.**

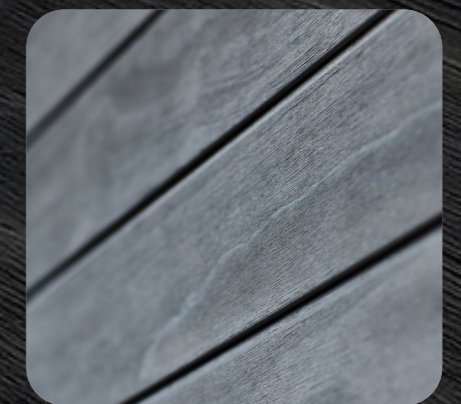


## Exterior buildings and landscaping

As a naturally modified timber, Accoya offers an up to 50 year warranty above ground resulting in extended maintenance cycles and reduced costs. It maintains its appearance well and can withstand the toughest of external environments. Accoya is therefore great for decking and exterior buildings such as gazebos, garden pods and pool rooms/saunas.

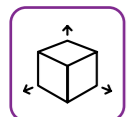
*"I prefer Accoya because it offers unparalleled durability and stability, ensuring long-lasting performance in outdoor spaces. As the ultimate natural decking and cladding material, Accoya combines style and refinement, enhancing even the most sophisticated garden designs. With its versatility and premium finish, Accoya allows me limitless creativity when crafting exceptional outdoor spaces."*

**Karl Harrison - Karl Harrison Landscapes**

A tablet displaying the Accoya cladding visualiser app. The app shows a 3D rendering of a house with Accoya cladding. A purple arrow points to a QR code on the right side of the tablet. Text on the right says "Visit our **cladding visualiser** to try Accoya in a range of finishes on a selection of building types." The app interface includes options for "Choose your building type" (Residential, Commercial, Hospitality) and "Choose your decking type" (Decking, Terrace). A color selection tool is also visible at the bottom of the app interface.



# Let's delve deeper into the benefits



## Dimensional stability

- Swelling and shrinkage reduced by 75% or more
- Doors and windows open effortlessly year round



## Outstanding durability

- Lasting 50 years above ground, 25 years in ground/freshwater
- Class 1 durability, surpassing even teak
- Virtually rot proof



## Excellent machinability

- Easy to machine and process
- No special tools are required



## Non-toxic and recyclable

- Protects the environment from the harmful effects of common treatments
- May be safely reused and recycled



## Naturally beautiful wood

- Process does not compromise the wood's natural beauty



## Retained strength and hardness

- The process does not significantly compromise the wood's strength
- Hardness is increased
- High Strength to weight ratio make it suitable for challenging applications



## Naturally insulating

- Offers improved insulation in comparison with commonly used wood species
- Ideal for applications where energy conservation is important



## Insect barrier

- Indigestible to a wide range of insects, including termites
- Greatly reduced vulnerability



## Consistent quality throughout

- Consistent, measurable modification quality from surface to core
- No need to apply chemical preservatives when cut or planed



## Perfect for coating

- Improved stability means coatings last 2 to 3 times longer
- Easier to coat, less preparation and sanding required



## UV resistant

- Superior resistance to UV degradation when translucent coated
- Natural appearance lasts longer
- The ultimate substrate and coating life is increased

*“It’s performance exceeds that of hardwoods in terms of rot resistance and stability”*

*“We consider Accoya wood to be the perfect choice for bespoke doors and windows as it is incredibly durable and resistant to warping and cracking, even in the harshest weather conditions. Its dimensional stability makes it an ideal material for manufacturing high performance, exterior timber products and, in addition, Accoya offers superior thermal insulation compared to other durable wood species. We find it ideal for coating as it gives an excellent sprayed finish, with minimal ongoing maintenance.”*

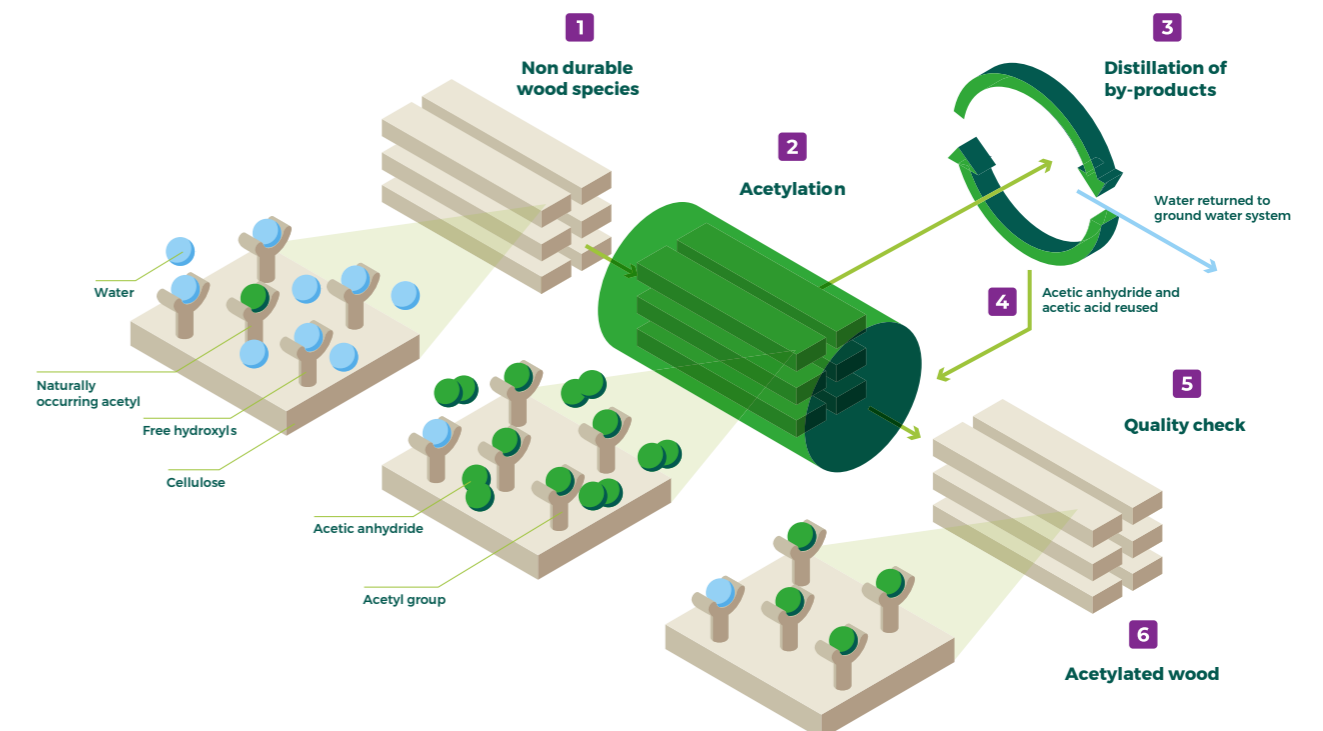
**James Wilding - James Wilding Joinery Ltd**

# What is Acetylation?

Acetylation is a treatment that prevents wood cell walls from absorbing water. For the production of Accoya this process involves exposing Radiata Pine softwood to acetic anhydride, transforming its performance to exceed that of hardwoods in terms of rot resistance and stability, making it ideal for outdoor applications.

**The acetylation process follows these six key steps:**

- 1** Rough-sawn sustainable wood is soaked in acetic anhydride under heat and pressure
- 2** A chemical reaction modifies the wood at the cellular level
- 3** Residual chemicals and by-products are removed
- 4** Acetic acid, the main byproduct, is sold for other industrial applications or converted back to acetic anhydride by the removal of water molecules
- 5** The treated wood undergoes a strict quality check
- 6** Once the process is complete, the wood is ready for use, offering enhanced durability and long-term performance



# Product information

Supplied in recognised joinery sizes, cladding profiles and a variety of thicknesses and widths to suit your project needs.

## Thicknesses:

25mm | 32mm | 38mm | 50mm | 63mm | 75mm | 100mm

## Widths:

Available in fixed widths, 100mm, 125mm, 150mm and 200mm sawn  
Some wider available on request in 25-50mm thick - 250mm & 300mm  
Laminated options are also available in key joinery dimensions.

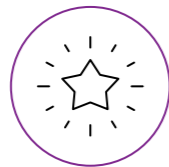
## Lengths:

Available 2.4 | 3.0 | 3.6 | 4.2 | 4.8  
Finger jointed Accoya in 6m lengths is also available in some dimensions  
Cladding profiles vary depending upon range selected.

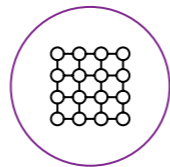
## Characteristics:



**Grade**  
A1 / A2



**Character**  
A1 = 4 sides primarily clear  
A2 = 3 sides primarily clear



**Density**  
515kg per m3 +/- 80kg



**Environmental credentials**  
FSC certified



**Botanical name & origin**  
Acetylated Radiata Pine  
(Pinus Radiata) - New Zealand



**Stability & durability**  
Durability Class 1,  
Dimensionally Stable

# Why buy from James Latham?

With 12 depots throughout the UK and Ireland, we are well known as the leading distributor of Accoya with plentiful stocks held on site ready for rapid delivery.

Our Accoya champions can answer all your questions about suitability and installation.

Ask us about Accoya today!



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