



KELLS
TRADITIONAL TIMBER
WINDOWS & DOORS



/ A SUMMARY OF ACCOYA® WOOD

A new world of sustainable and low maintenance windows and doors is available using Accoya® wood.

The result: a durable, dimensionally stable, reliable and beautiful solid wood with the performance characteristics of the most durable tropical hardwoods, but offering industry-leading environmental credentials.

- Accoya® wood windows and doors can be expected to last at least twice as long as engineered softwood before replacement
- Low risk of windows and doors jamming in humid conditions

- Coating maintenance intervals can be expected to be twice as long on Accoya® wood
- Accoya® wood windows and doors contain no biocides
- Thermal conductivity is improved in comparison with softwoods and hardwoods
- Accoya® window frames are now classified as Carbon Negative over their full life cycle

13-YEAR WINDOW L-JOINT TEST – BRE

The BRE (Building Research Establishment) is an independent institute based in Watford, UK. In durability field testing to European Norm (EN) 330:1993 - which parallels America Wood-Preservers' Association (AWPA) E9 - simple mortice and tenon joints (L-joints) are assembled, coated and placed outside, with the coating over the joint deliberately broken to allow typical water ingress.

This test represents a worst case scenario for joinery products and requires the coated wood to be exposed to normal environmental factors.

In February 1998, L-joints were installed at the BRE Garston field exposure site (Watford, UK) facing the prevailing south westerly weather on an elevated test rig. The test remains in progress with inspections at regular intervals.

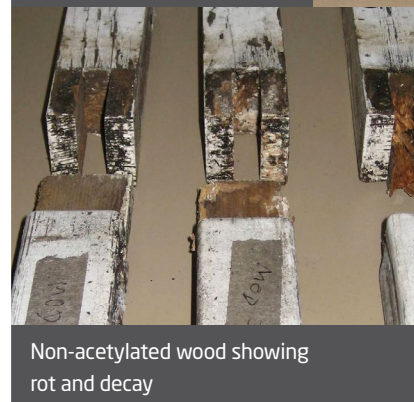
The BRE reported: "In simulated accelerated joinery field trials that represent a worst case scenario joinery product by enabling moisture ingress into the joint pine, sapwood wood L-joints acetylated to a slightly lower modification level than Accoya®, after 13 years exposure in the UK are performing very well.

The trial indicates that a permeable timber species that is acetylated through the cross section to a durability class 1 level (e.g. Accoya®), would have a grading lower than the reference preservative TnBTO - and thus Accoya® would exceed the biological reference value and would be deemed to provide sufficient protection for long life window joinery."

bre



Non-acetylated wood showing major attack



Non-acetylated wood showing rot and decay



Non-acetylated wood showing severe rot and decay



Accoya® wood showing no rot or decay



Accoya® wood showing no rot or decay

INNOVATION IN WOOD

KEY FEATURES



DIMENSIONALLY
STABLE



OUTSTANDING
DURABILITY



PERFECT FOR
COATING

Accoya® wood is produced from sustainably sourced, fast growing wood and manufactured using Accsys' proprietary patented modification process from surface to core.



BAREFOOT
FRIENDLY



NATURALLY
INSULATING



EXCELLENT
MACHINABILITY



INSECT
BARRIER



CONSISTENT
QUALITY
THROUGHOUT



NATURALLY
BEAUTIFUL
WOOD



FROM
SUSTAINABLE
SOURCES



RETAINED
STRENGTH &
HARDNESS



NON-TOXIC &
RECYCLABLE



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Accoya® wood should always be installed and used in accordance with the written instructions and guidelines of Accsys Technologies and/or its agents (available upon request). Accsys Technologies accepts no liability for any defect, damage or loss that may occur where such written instructions and guidelines are not adhered to.

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