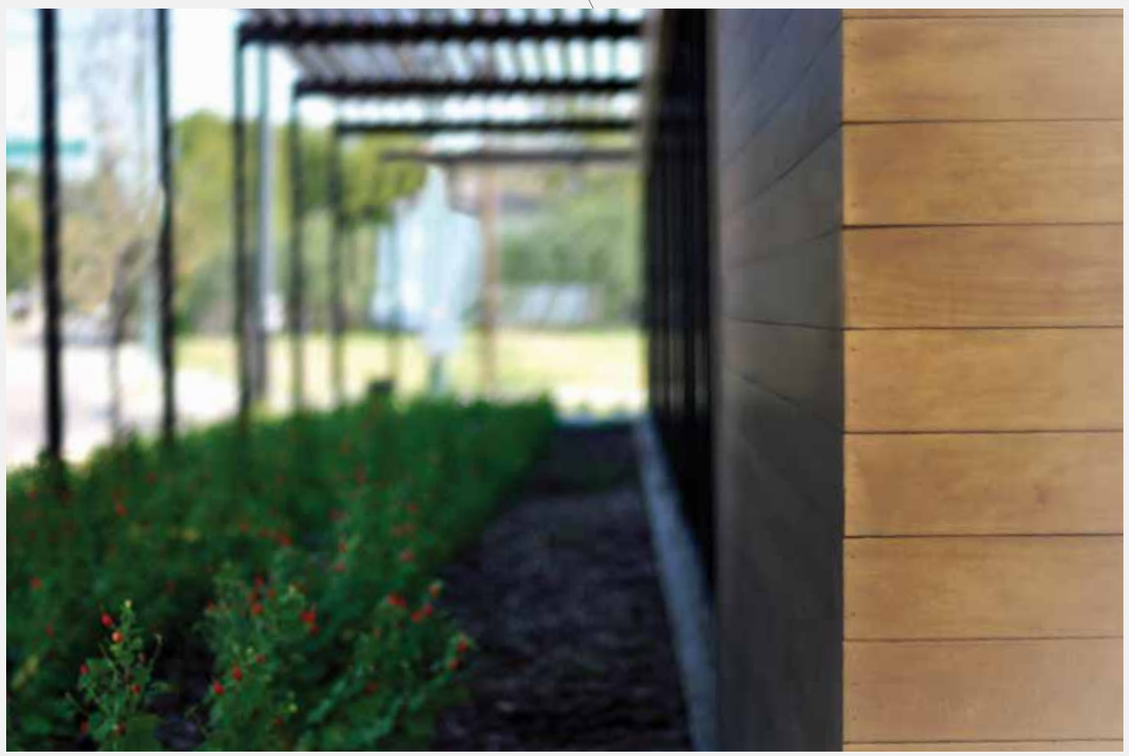
accoya CLAD

DURABLE, STABLE AND LOW MAINTENANCE

50 25

WARRANTED FOR
50 YEARS ABOVE GROUND

RESOURCE AND COMMUNITY CENTER
TEXAS, USA



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accoya CLAD

A NEW WORLD OF CLADDING POSSIBILITIES IS AVAILABLE USING ACCOYA® WOOD

CREATED FROM SUSTAINABLY SOURCED WOOD AND COMPLETELY NON-TOXIC, ACCOYA® IS A REVOLUTION IN WOOD TECHNOLOGY.

JAMES latham
THE NATURAL CHOICE

OFFICIAL DISTRIBUTOR
WWW.LATHAMS-ACCOYA.CO.UK

accoya® CLAD

ACCOYA® WOOD IS PRODUCED FROM SUSTAINABLY SOURCED, FAST GROWING SOFTWOOD USING A MODIFICATION PROCESS FROM THE SURFACE TO THE CORE.

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

A new world of cladding possibilities is available using Accoya® wood:

/ Use of wider cladding boards is allowed by the improved dimensional stability

/ Cladding joints do not open, tolerances remain tight and twist is prevented

/ Decreased overall life cycle cost thanks to the improved coating life and timber durability

/ The wood's natural appearance is retained for longer, thanks to the superior resistance to the effects of UV exposure

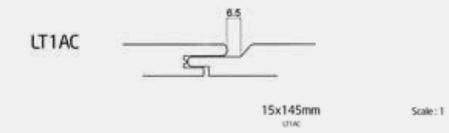
/ A more flexible design is made possible for architects and specifiers

THE BENEFITS OF ACCOYA®

- 50 25 OUTSTANDING DURABILITY
- CONSISTENT QUALITY THROUGHOUT
- UV RESISTANT
- DIMENSIONALLY STABLE
- RETAINED STRENGTH & HARDNESS
- NATURALLY INSULATING
- INSECT BARRIER
- PERFECT FOR COATING
- NATURALLY BEAUTIFUL WOOD
- FROM SUSTAINABLE SOURCES
- EXCELLENT MACHINABILITY
- NON-TOXIC & RECYCLABLE

BREAKERS NETHERLANDS

THE ACCOYA® CLADDING PROFILE



Available in:
15 x 195
15 x 145

Tested by TRADA (Timber Research and Development Association) tests conclude that no cupping could be detected in Accoya cladding boards of 15mm thickness, TRADA also state that cladding of a 15mm thickness will remain free from detectable distortion over its life"

CITIZENS BANK
USA

LINDERUND
NORWAY

BOSCH SIEMENS BUILDING
NETHERLANDS

ACCOYA® CLADDING INSTALLATION RECOMMENDATIONS

JOB SITE STORAGE

To prevent water uptake during transport, storage and at the building site, it is strongly recommended that Accoya® is covered in a breathable barrier / "vapour-open" plastic. As with other wood species, storage at the building site should be a minimum of 10 cm above concrete flooring and 30 cm above ground. Additional protection from rain with plastic sheets is strongly recommended but sufficient ventilation underneath the sheets is required to prevent mould.

A lack of care may cause damage to both wood and coating and may invalidate any warranty. Proper storage and handling play a part in ensuring both performance and appearance.

Ideally, cladding should be stored in an enclosed building prior to use.

FINISHING

From a technical performance perspective, in respect of attributes such as durability and dimensional stability, there is no need to finish Accoya®. However, like any natural wood species, Accoya® wood is susceptible to weathering in outdoor circumstances. And therefore can exhibit various types of discoloration such as moulds and uneven UV weathering. Stains can also be caused by use of aggressive cleaning agents, foods and other substances inadvertently left on the wood.

To obtain a "natural appearance" with reduced potential discoloration issues, a translucent (film-forming) coating, a non-film-forming coating, an oil-based stain or some other type of hydrophobic agent is recommended. Non-film forming coatings can be applied if water up¬take is not an issue. Oil-based stains and hydrophobic agents have water repellent proper¬ties, but often cannot prevent water uptake on horizontal parts.

Any coatings or stains are best applied in controlled conditions before the cladding is installed. To minimise maintenance requirements it is important to avoid sharp edges in the cladding profile. In this regard a rounding with a minimum radius of 3mm is recommended on all edges.

SITE CUTS

Accoya® requires no special tools for cutting and can be cut using standard wood working tools. It is highly recommended to finish end cuts with an appropriate end grain sealer as recommended by the coating supplier. The end grain of any wood absorbs water several hundred times faster than other wood surfaces. Finishing end cuts will help reduce water absorption and improve overall coating performance.

JOINTS

Avoid butting ends of cladding boards together or to other surfaces that can get wet. It is recommended to leave an air gap of at least 5mm between the ends of boards in such circumstances. Joints should be made over battens and depending on the width of the battens it may be necessary to double batten to ensure that nails are not positioned too close to the end of the boards.

FASTENERS

Accoya® wood can be fastened in the same way as other commonly used wood species and the same general rules regarding pre-drilling, countersinking and keeping sufficient distances from the

edges to reduce risk of splitting should be applied. Like most durable woods, Accoya® is slightly acidic therefore we strongly recommend the use of corrosion resistant fasteners such as 304, 316, A2 or A4 grade stainless steel. Galvanized or zinc plated metals are not nearly as corrosion proof in an acidic environment and the use of these materials are not recommended.

SUPPORTING WALL CONSTRUCTION

Always incorporate a drained and ventilated cavity of at least 20mm between the Accoya cladding and the external walls whether they are of timber frame or masonry construction, this will allow airflow and moisture management.

In general, any sub-frame Accoya® panels are installed onto, should have sufficient strength and durability. Design of the sub-frame should be in accordance with applicable guidelines of the manufacturer and requirements of the valid building codes and regulations.

There are no standard dimensions for cladding support battens. If vertical battens are fixed to, and fully supported by, the substrate, they can be relatively thin (but at least 20 x 38 mm). If the battens have a 600 mm span between supports, they need to be thicker to ensure robustness, e.g. 50 x 50 mm.

The fastener length may also determine the batten cross section (approximately 2,5 x board thickness with standard nails and 2 x board thickness with ring-shank and other improved nails), as may the end and edge distances required to avoid the timber splitting. The spacing between support battens should not exceed 600 mm.

The battens need to be resistant to the effect of moisture, and therefore usually need to be treated to durability class 1 or 2 but treatments with a strong dye content should be avoided since in wet situations there is a risk that such dyes may discolour the Accoya cladding. The battens can be fastened with galvanised steel, stainless steel or aluminium fasteners.

ROOF AND GROUND CLEARANCE

Trim that extends down to a roof or deck requires a minimum of a 50mm gap to avoid wicking. Trim should be a minimum of 150mm above ground level.

accoya® CLAD

HAGUE CHURCH
NETHERLANDS

WESTFIELD SCHOOL
UK

HEATHFIELD
SCHOOL
UK

ACCOYA® CLADDING
QUICK INSTALLATION TIPS

DO:

/ Store Accoya® cladding protected from the weather prior to installation and coating

/ Finish cladding on all sides prior to installation if possible. Always seal cut ends

/ Use high quality stainless steel fasteners, such as 304, 316, A2 or A4 grade

/ Allow a small expansion gap for cladding profiles that interlock. Accoya® cladding, while exceptionally stable, is kiln dried and could swell slightly when exposed to the weather. Maximum swell is 2.5% across the width of the board, on average it is approximately 1.5%

/ Follow local and national building codes

DO NOT:

/ Allow Accoya® to be stored out in the weather unprotected as this could cause quality degradation over time and coating issues

/ Use galvanized or zinc plate fasteners or flashing. Accoya® like many other durable wood species is slightly acidic and can corrode these metals

/ Fail to finish cut ends during installation. The end grain of wood absorbs water several hundred times faster than other wood surfaces

/ Install or paint over wet cladding

This is a summary. Please refer to the Accoya® Wood Information Guide for more information

KFC
NEW ZEALAND