

A Guide To Hardware For Use With Accoya



COASTAL

Shaping the future.

Why Use Accoya Wood?

The use of Accoya wood is an increasingly popular choice for crafting beautiful, high-performance timber doors and windows.

This highly rot-resistant wood is based on the process of 'wood acetylation', where changing the cell structure of the wood has been scientifically proven to improve dimensional stability, operating performance, extend coating longevity and generally requires less maintenance.

Accoya wood is Class 1 durable, providing peace of mind of long-lasting performance in even the harshest external environments.

Key benefits of using Accoya:

- 50 years above ground and 25 year in-ground contact warranty.
- Doesn't attract fungi colonisation and insect attack / infestation.
- Extended maintenance intervals due to outstanding coatings performance.
- Exceptional insulation and excellent stability – meaning your door won't shrink, swell and jam.



25 & 50 YEAR
WARRANTIES



HIGHLY
STABLE



HIGHLY
DURABLE



LONG
SERVICE LIFE



INSECT
RESISTANT



FOR ALL
CLIMATES

What Are The Hardware Considerations When Using Accoya?

All wood types contain organic acids varying in amount between species, Accoya has a similar level to oak and western cedar, which in moist conditions, may accelerate water induced corrosion in metals.

As a key component of the door or window itself, it's important to select and correctly install suitable hardware, ensuring long lasting functionality and exceptional aesthetics that your beautiful Accoya doors and windows deserve.

Sharing similar values of longevity and durability, and a desire to enhance the performance of timber doors and windows, Coastal Group have developed a suited range of hardware suitable for use with Accoya. This includes:

- External Door Furniture
- Window Furniture
- Hinges
- Fixings
- Multipoint Door Locks
- Sliding door system
- Window system and espag bolts

Accoya + Coastal = The smartest combination for your timber doors & windows.



External Door Furniture

Tests have proven that the best performing metal in damp or exposed conditions when using Accoya, is high quality stainless steel.

It is important to take precautions if using lesser grade metals. The metal and/or the Accoya wood should be coated or otherwise separated to avoid direct contact between the wood and these metals.

However, it's worth bearing in mind if the paint or hardware coating gets chipped or damaged, the metal underneath will be exposed and is likely to corrode if it's not stainless steel.

Coastal Group has developed a wide range of suited hardware made from high quality stainless steel - it's BLU and DURATIQUE ranges - which are ideal for use with Accoya.





Coastal's BLU™ Range of Door Furniture

Coastal's BLU™ range of door furniture represents the hallmark of quality and reliability, manufactured from A4/316 marine grade stainless steel making it extremely durable and suitable for use with Accoya.

Supplied with a lifetime guarantee for peace of mind, the BLU range combines stunning aesthetics with ultimate lasting performance.

You can choose from a selection of designs which cater for classic and contemporary styles in a range of stunning finishes.

The BLU™ Range of External Door Furniture includes:



Lever Door Handles



Pull Handles



Escutcheons & Cylinder Pulls



Letter Plates



Door Knobs & Door Knockers



Sliding Door Handles

Benefits of the BLU range include:

- Made from 316 Marine Grade Stainless Steel as standard, helping resist long term corrosion and keeping your doors looking better for longer.
- Excellent lifetime value, providing you with quality you can afford.
- Guaranteed to last the lifetime of the door.
- Supplied with stainless steel fixings to match the finish of the hardware.
- A suited range with hardware available in matching finishes.



Scan to discover
The BLU Range

www.coastal-group.com



BLU™ Finishes

The BLU™ range has been carefully developed and refined over many years to bring an extensive selection of product finishes which meet market demands.

Five stunning finishes are currently available - Satin Stainless Steel, Polished Stainless Steel, PVD Stainless Satin Brass, PVD Stainless Polished Brass and Satin Black.



Sleeved Letter Plate shown
in 5 stunning finishes



Coastal's DURATIQUETM Black Antique Range of Door Furniture

Coastal's DURATIQUETM range brings you the ultimate in black antique hardware.

- Made from stainless steel to prevent it corroding, then coated with a black antique finish, it combines traditional styling with modern performance.
- Class 5 Salt Spray Tested.
- Ideal for use with Accoya and in extreme locations such as on the coast.

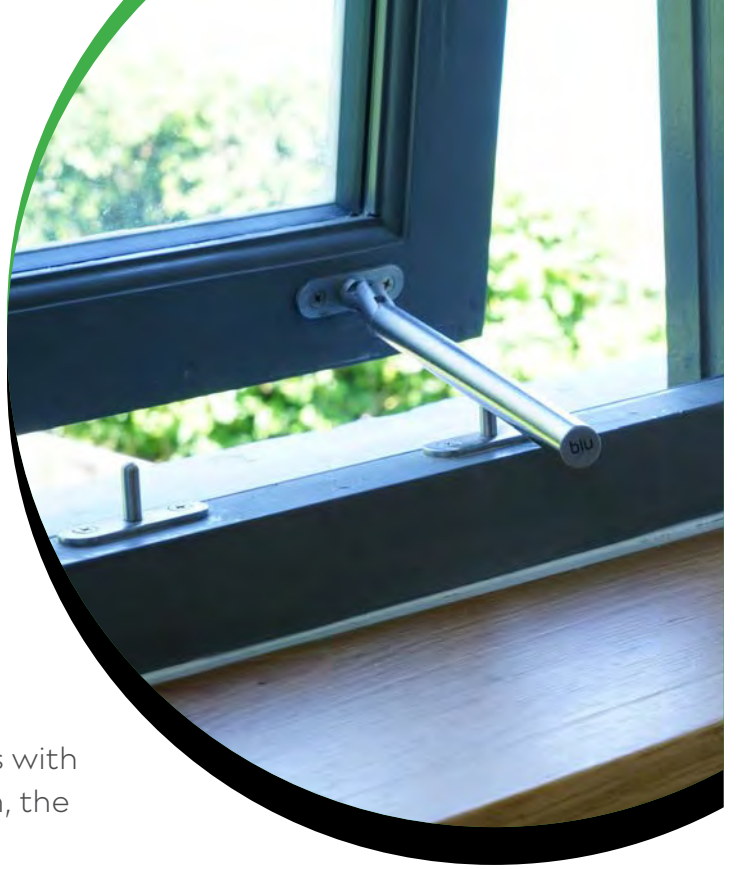


Window Furniture

Window furniture components such as stays, handles and finger pulls are, in the main, more classified as 'lower risk' with less exposure to moisture than door furniture.

However consideration should be given to areas with high corrosion levels as when windows are open, the furniture is exposed to the elements.

Coastal's BLU range of window furniture is made from high quality A4/316 marine grade stainless steel. It is ideal for use with Accoya as well as in coastal environments.





Coastal's BLU™ Range of Window Furniture

Like Coastal's BLU™ range of door furniture, BLU™ window furniture is made from the same A4/316 Marine Grade Stainless Steel, and is available in the same range of finishes to ensure a consistent style throughout the property.

The BLU window furniture range also benefits from a lifetime guarantee and is ideal for use in corrosive environments making it suitable for Accoya. It caters for both contemporary and classic styling with designs for casement window handles, stays and fanlight windows.

Scan to discover
The BLU Range

www.coastal-group.com



Hinges

As a key component of the door or window's functionality, it's important that hinges are designed with the durability to last.

Butt hinges for external doors, windows and gates should be stainless steel, with A4/316 stainless steel offering the ultimate durability and protection from corrosion.

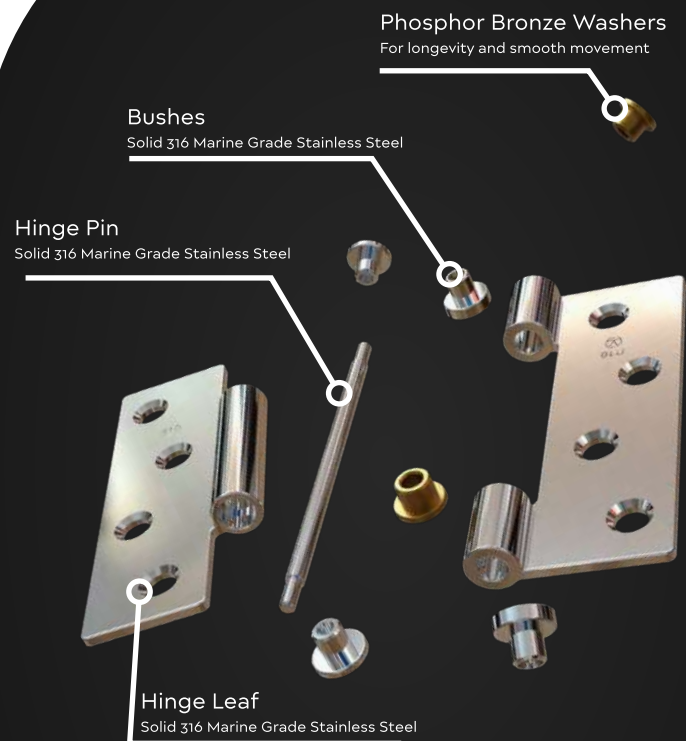
Coastal Group offers a range of hinges for doors and windows that are manufactured from A4/316 Marine Grade Stainless Steel, ensuring durable performance even in areas like coastal environments where corrosion levels are high or for use with Accoya.



Coastal's BLU™ Range of Door Hinges

These hinges are designed specifically for external use with components made from 316 marine grade stainless steel to prevent corrosion issues.

- HQ4 Butt Hinges are durability tested to 120kg over 3 hinges - 200,000 cycles.
- HQ45 (4x4) Projection Hinge is durability tested to 100,000 cycles on 160kg door over 3 hinges. Ideal for door applications such as orangeries where the door needs to clear brickwork or cills.
- Available in a market-leading range of 7 finishes and 3 types - Square, Radius & Projection.
- Supplied with stainless steel screws to match hinge finish
- Lifetime Guarantee
- Ideal for use with Accoya.



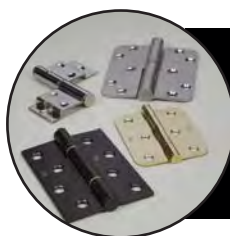
HQ4 Hinge

Coastal's BLU™ Range of Window Hinges

Coastal offers a selection of butt hinges for windows from its BLU range. They're made from A4/316 marine grade stainless steel and include:

- HY3 Slim Knuckle Window Hinge - tested to 40kg window over 2 hinges - 25,000 cycles
- FH70 Tritus Flush Lift-Off Butt Hinge - meets the requirements of BS DS EN 1935: 2002 Grade 9: 25,000 cycles / 60kg window
- HX Stormproof - tested to 108,000 cycles to 40kg over 2 hinges or 50kg over 3 hinges per sash

These hinges come with a lifetime guarantee and are available in a range of finishes.



View the range of BLU 316 stainless steel door and window hinges

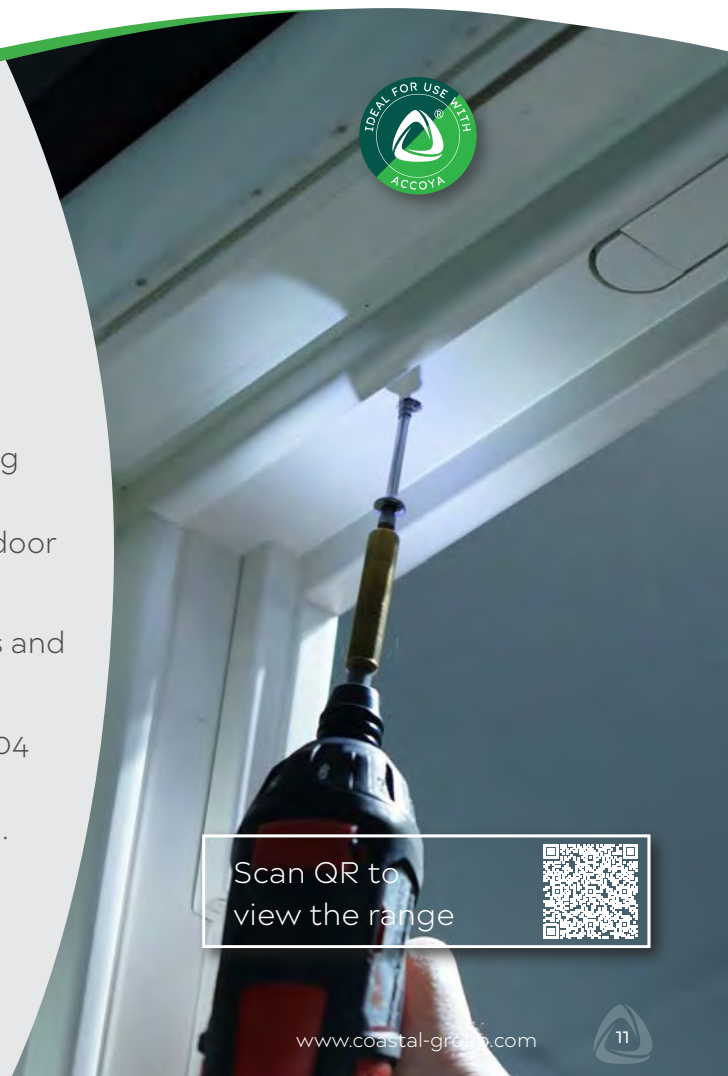


Fixings

Best practice for fixings:

- Any screws or bolts exposed to moisture including screws for hinges, locks, door handles and other door furniture as well as screws for window and door installations should be stainless steel.
- Glazing pins used on both sides of external doors and windows should be stainless steel.

Coastal's stainless steel screws are made from A2/304 stainless steel, providing suitable protection from corrosion and when used in conjunction with Accoya.



Scan QR to view the range



Door and Window Hardware

As an essential aspect of the security of doors and windows, it's important to ensure a lock with suitable properties is selected for use in conjunction with Accoya.

Coastal Group has worked with some trusted brands in the industry to bring a range of door and window locks that are validated as being fit for purpose with Accoya.

Multipoint Door Locks

Coastal Group are the main UK distributor for Winkhaus multipoint door locks.

A wide range are available from stock for single and double door applications such as those listed below:



Lever Operated Lock



Key Operated Lock



Auto/Slam Shut Lock



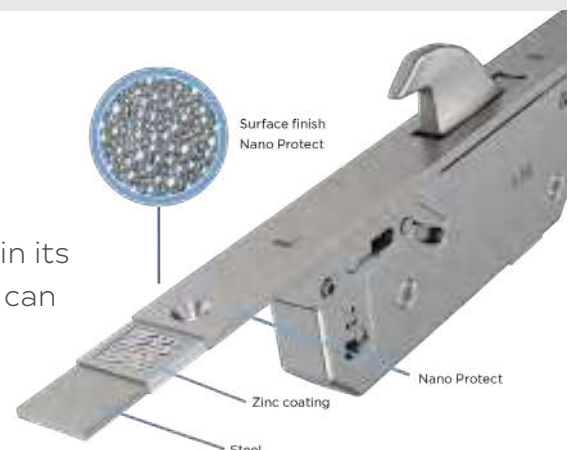
Stable Door Lock

To view the range of Winkhaus locks scan the QR or visit www.coastal-group.com



Winkhaus Nano Protect: Enhanced surface finish

Winkhaus subjects its steel to a complex finishing process in its own electroplating facilities to ensure that the technology can withstand a wide range of attacks. The result is excellent corrosion resistance and an extremely durable finish.



Winkhaus Multipoint Door Locking Systems

- Superior security - tested to PAS24 and 'Secured by Design' accredited, SBD license held by Winkhaus.
- Long term reliability - 10 year mechanical guarantee.
- Consistent compression for improved weathersealing and draughtproofing.
- Class 5 - EN 1670 corrosion protection.
- A fully tested and validated multipoint lock for use in conjunction with Accoya.



NOTE: The precautions detailed on page 15 should still be followed to create a barrier between the metal and the wood.



Inowa External Sliding Door Hardware

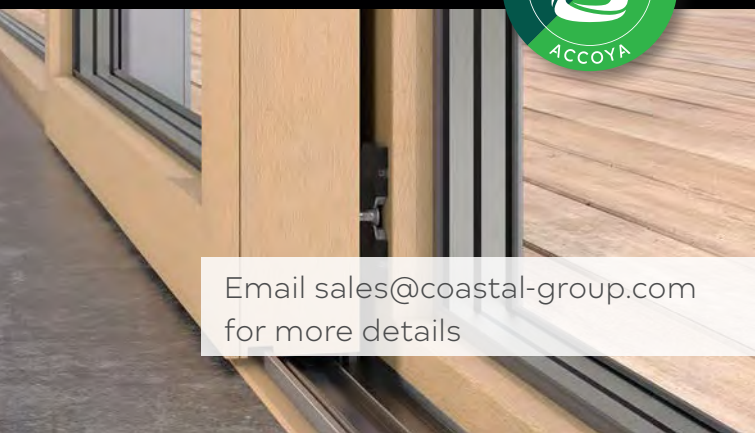
The Roto Inowa sliding door hardware is distributed by Coastal Group.

Combining corrosion resistance with optimal performance, Inowa hardware is coated with best-in-class NanoSil Level 6 surface protection. The microcrystalline structure is designed to provide protection to parts such as rivets and hinge components as well as flat surfaces.

This market leading coating copes with extreme fluctuations in temperature and humidity easily exceeding all current UK corrosion resistance criteria.

Inowa Sliding Door System:

- Extreme weather protection.
- Tightly sealed sliding system to keep out the weather and unwanted visitors.
- Effortless opening and closing of the door.



Email sales@coastal-group.com for more details

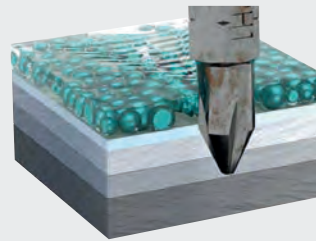
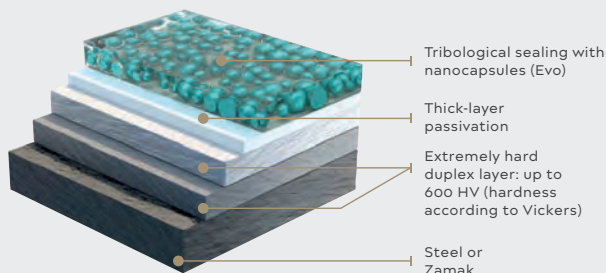
Window Hardware

Coastal Group are a key distributor and stockist of MACO's Tricoat-Evo range of window hardware.

MACO's multi-layered Tricoat-Evo coating ensures extreme hardness and corrosion resistance making it an excellent choice for coastal applications as well as ideal for use with Accoya.



MACO Tricoat-Evo Multi-layered, self-healing, rust resistant coating



The Evo-Effect
If the surface is damaged,
for example during
hardware fitting by a
cordless drill ...



... the substances
contained in the
nanocapsules repair the
resulting scratches and
restore corrosion
protection.

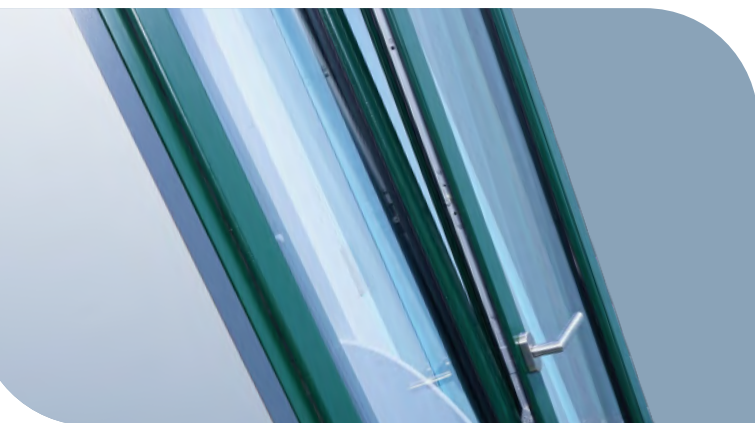
For full range and benefits of MACO Tricoat-Evo scan QR
or visit www.coastal-group.com



Coastal Group currently stock MACO Tricoat-Evo hardware in the following window system solutions:

Tilt and Turn Window Hardware

A very versatile system suitable for tilt & turn window and juliet balcony applications made from Accoya.



Casement Window Hardware

For casement windows requiring espag bolt locking then either the MACO Tricoat-Evo MKV Shootbolt system or the RAIL espag bolt are both ideal for use with Accoya.



NOTE: The precautions detailed on page 15 should still be followed to create a barrier between the metal and the wood.

Precautions

Even when using stainless steel / corrosion resistant locks, or locks with a TRICOAT finish (or equivalent), the following precautions should be taken and all are based on creating a barrier between metal and the wood.



- Cut-outs, such as lock housings and letter plate cut-outs should be fully end grain sealed including spindle and cylinder lock cut-outs. Ideally, the whole length of the euro-groove for espagnolette and shootbolts should be fully end grain sealed ready for an application of paint.
- The machined edges of doors and sashes should be fully painted with as much paint behind the lock as on the face.
- Further protection can be achieved by spraying the lock and mechanism with either PTFE or lithium grease. Proprietary protection kits may be used such as the CoastGard™ Corrosion Protection System.

Additionally, handle fixings and spindles ideally should be stainless steel, if not available, apply a coating of PTFE, lithium grease or similar to offer a degree of water repellency.

CoastGard™ Corrosion Protection System.

This three-part kit helps provide additional protection for hardware such as multipoint door locks and window espagnolette bolts from corroding when fitted in Accoya or coastal locations.

- CoastGard 1 (CPS-1) is a fully synthetic grease which penetrates all the moving hardware parts. It protects and lubricates the moving parts and ensures that the lacquer applied in step 3 does not stick the sliding surfaces together.
- CoastGard 2 (CPS-2) is a non-flammable cleaner spray that flushes dirt, surface rust, grease and oil from the hardware.
- CoastGard 3 (CPS-3) is a fast-drying acrylic lacquer used to protect the hardware against mild acids, alkalis, salt spray and general weathering. It seals and protects the hardware leaving a smooth, transparent, scratch resistant film which is extremely tough and durable.



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ACCSYS

Brettenham House
2-19 Lancaster Place
London, WC2E 7EN
United Kingdom
+442074214300
www.Accoya.com



COASTAL

COASTAL GROUP

Head Office: Global House, Bojea Industrial Estate, St Austell, Cornwall, PL25 5RJ, UK
T 01726 871 025 E sales@coastal-group.com W coastal-group.com