

# INFORMATION SHEET

## FITTING HARDWARE INTO ACCOYA® WOOD

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### CONTACT WITH METALS



#### Avoidance of Corrosion

Metal corrosion can be substantially reduced if direct contact between metals and Accoya® wood is avoided. This can be achieved by:

- Coating the wood with a proper sealant.
- Coating the metal with an acid-resistant coating, sealer, or other protective layer.
- Physically isolate the hardware from direct contact with the wood for example by using plastic (or stainless steel) spacers.
- Enclosed areas containing metals, such as around lock rebates, should also be sealed (for example with epoxy) even if there will not be direct metal contact.

If these areas are not sealed, off-gassing acetic acid can build up in these confined spaces and increase the risk of accelerated condensation related corrosion.

For additional temporary protection the spraying of all sides of the metal hardware before assembly / mounting is recommended using a water repellent spray (such as PTFE or silicon based spray) or rust inhibitor coating. This is also useful in case coated metals have been scratched during installation.

Please note that these sprays can influence adhesion of coatings and maintenance of metal hardware. Preferably pre-drill for screws and other larger diameter fasteners.

For attaching smaller pieces of Accoya®, such as glazing rods, the use of staples, such as those made of 18-gauge A2 stainless steel, is recommended to minimise the chances of splitting.

Hardware fitted into Accoya® should be made from 316 Stainless Steel or MACO's TRICOAT range of window and door locking systems. Where TRICOAT locking systems cannot be used, we strongly recommend coating your locking system using our CoastGard™ Protection Kit.

#### Avoid Condensation

Ventilation of construction areas to avoid condensation on metal in contact with Accoya® can be useful in helping to avoid potential corrosion issues.



# COASTAL

*Shaping the future.*