

ESSENTIAL COATING GUIDE FOR ACCOYA® CLADDING

Accsys Technologies has extensive partnerships with many coating manufacturers and has gained a lot of valuable experience of cladding coating over the years. Although practices may vary from country to country, in line with best practices and coating manufacturers' advice, it is important to note the following guidance when coating Accoya wood.

We strongly recommend taking good notice of this guidance and would encourage you to adopt these methods whenever possible. As these guidelines are supplemental to advice from coating manufacturers, please consult your coating supplier at all times.



BEST PRACTICES

1. Accoya cladding boards should be rounded with 3mm radius corners.
2. A fully factory applied coating is strongly recommended. When site finishing, at least a primer and mid coat should be applied in the factory and the top coat must be applied before the joinery gets wet on site.
3. Accoya wood must be dry, clean and free from dust when coated. This is critical when brush applying top coats on site. Please see section 03 of the Accoya Wood Information Guide for moisture testing techniques.
4. As moulds are capable of growing on and through coatings, coating systems (both translucent as well as opaque) should contain an effective mouldicidal component to reduce the risk of growth on and beneath the coating and possible disfigurement.
5. Pigments added to a clear coating will camouflage mould / yeast disfigurement. However, it is advisable to test a sample area first with pigmented stains, because as with other wood types and being a natural material, the porosity of Accoya may vary.
6. Thicker layers reduce moisture absorption and film forming coatings provide the longest maintenance intervals.
7. Sealers must be used on end grain, with a product that is compatible with the paint system and approved by the coating manufacturer.
8. Dip and flow coat application of the first coating layer is particularly effective in forming an all-encompassing first coat.
9. Coating manufacturer's application methodologies and guidance should be followed with particular focus on avoiding cold coatings (should typically be above 15°C at application), correct film thickness and appropriate drying techniques / conditions.
10. Coatings should be thoroughly cured in a moisture and temperature controlled environment and in line with coating manufacturers guidelines. This often involves overnight drying between layers. Control is particularly important in colder months.
11. Coated cladding boards should be stored on site as per coating manufacturers guidelines, with particular attention to the final curing of the top layer and using suitable packaging materials.
12. High quality stainless steel fasteners are recommended.

Coatings are applied to Accoya for largely aesthetic reasons. Guaranteed levels of decay resistance and dimensional stability apply to Accoya with or without coating.

Please note that coating formulations vary per manufacturer and processes vary depending on the application equipment used and the end-product design. Formulations of some manufacturers' products vary by region.

Despite Accoya wood's excellent compatibility, we highly recommend having the coating manufacturer involved in the process as they have in-depth knowledge of their products, suitable application techniques and how to determine the performance of the finished product.

For further information and support, please be sure to contact your coatings manufacturer or Diamond Wood directly for more advice.



Additional related references can be found through the resource centre in the downloads section of accoya.com:

- System partner information sheet (coatings)
- System partner coating brochures
- Wood Information Guide

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These guidelines have been written for professionals wishing to use Accoya to create beautiful, reliable and highly durable end products. Should you require further information or have any comments about this document, please contact Accsys through accoya.com.