

A photograph of a modern building with a large glass window and a wooden deck. The building has a warm, orange-toned wood exterior. The window is multi-paned and reflects the sky and trees. The deck is made of light-colored wood. The background shows a blurred view of trees and a sky.

omnia®

# Exterior Joinery Guide

for omnia® exterior joinery  
coating systems on Accoya®

accoya®



## Specification for Coating Accoya® Wood – Translucent and Opaque Finishes

### General:

Accoya® - acetylated wood



Accoya® wood has a similar colour to pale Redwood but exhibits outstanding dimensional stability which dramatically improves coatings adhesion and product performance from windows to doors and decking to cladding.

Accoya® wood is light yet strong, making it easy to work with, both manually and with machines. The Acetylation process increases the durability of Accoya® making the wood virtually rot proof, matching and even exceeding the performance of nature's most durable wood, such as Teak.

The Accoya® timber falls into class 1 for Durability as specified by **BS EN 350-1** *Guide to the principles of testing and classification of the natural durability of wood*:

<b>Class 1</b>	<b>very durable</b>
Class 2	durable
Class 3	moderately durable
Class 4	slightly durable
Class 5	not durable

## Product Coating Recommendations:

Ensure that the substrate is clean and dry.

### Translucent Finishes:

1. Apply a coat of **omnia Preserve** in its clear form or in the appropriate colour. Ideally applied by dipping or flow coating but if brushed or sprayed, ensure that the surface is fully wetted so that the timber absorbs the product.

The system is designed such that any stain colour can be obtained by the application of a tinted Wood Preserve - see colours available on Technical Data Sheet **omnia Preserve**. However, for special requirements, the topcoat (which is normally colourless) can also be tinted, as part of Morrells colour matching facility.

2. Treat/seal all end grain with brush applied **omnia end grain sealer** (8ES/000), allow to fully dry before denibbing the end grain sealer only.
3. Do not denib **omnia Preserve** before applying subsequent finishes.
4. Apply two coats of **omnia Clear** to a wet film thickness of 150 -175µm per coat. Lightly denib prior to the application of the final coat, using a synthetic sanding pad (Scotchbrite or similar).

### Spray Finishing

Product	Function	Wet Coat Weight (µm)	Over-Coat Time (Hours)	De-nib	Sanding Grit
<b>omnia Preserve</b>	Preserve/ Base	-	2 - 4	No	-
<b>omnia End Grain Seal</b>	End Grain Seal	N/A	2 - 4	Yes	240
<b>omnia Clear</b>	1st Coat	150 - 175	2 - 4	Yes	240
<b>omnia Clear</b>	Final Coat	150 - 175	2 - 4	No	-

Accoya® wood - The modification process delivers natural durability and resistance to decay, however, to satisfy regional standards or circumstances require increased protection, it is recommended to use a translucent coating system with some resistance to the onset of the disfigurement fungi known as 'Blue stain'. **omnia Preserve** contains a biocide with tested efficacy against this.

The information provided on this information sheet is based on the best of our knowledge and experience. The consistency of the chemical/physical properties of the products is guaranteed within the tolerances stated on the data sheets. Our products are intended for professional use and the final result of using the products is the responsibility of the user who, before using the products, must check that they meet their requirements in terms of safety, application equipment, suitability of the substrate, colour/finish, and environmental factors.

## Solid (Opaque) Colours:

The use of a knot sealing agent such as omnia Knotting (3032/000) is recommended on knots to limit the appearance of knot discolouration.

1. Apply a coat of omnia Preserve in the desired colour. Ideally applied by dipping or flow coating but if brushed or sprayed, ensure that the surface is fully wetted so that the timber absorbs the product.
2. Treat/seal all end grain with brush applied omnia end grain sealer (8ES/000), allow to fully dry before denibbing the end grain sealer only.
3. DO NOT denib omnia Preserve before applying subsequent finishes.
4. Apply one coat of omnia Prime, a stain inhibiting white primer to a wet film thickness of 150µm.
5. Apply two coats of omnia Colour (Opaque Topcoat) to a wet film thickness of 150-175µm per coat. Lightly denib prior to the application of the final coat, using a synthetic sanding pad (Scotchbrite or similar).

## Spray Finishing

Product	Function	Wet Coat Weight (µm)	Over-Coat Time (Hours)	De-nib	Sanding Grit
<b>omnia Preserve</b>	Preserve/ Base	-	2 - 4	No	-
<b>omnia End Grain Seal</b>	End Grain Seal	N/A	2 - 4	Yes	240
<b>omnia Prime</b>	Primer	150 - 175	2 - 4	Yes	240
<b>omnia Colour</b>	1st Coat	150 - 175	2 - 4	Yes	240
<b>omnia Colour</b>	Final Coat	150 - 175	2 - 4	No	-

Morrells specification cannot guarantee against the discolouring effects of natural extractives and/or potential blistering from residual resin exudation, however when using an opaque coating system we incorporate an effective stain inhibiting primer, to offer enhanced performance & protection. Also refer to the TDS for drying times and other information. Health and Safety matters are covered on the MSDS for the individual products.

Please contact Morrells on 0161 406 5300 for any further information or advice.

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