Coating recommendations

Information for Accoya® and Tricoya® wood building elements

General information about Accoya:

- Accoya is used in a variety of wooden building elements, such as windows, doors and cladding.
- Accoya is wood that has been modified by acetylation.
- The wood species ***Pinus radiata*** is used to produce Accoya.
- Acetylation is an industrial process that uses acetic anhydride to improve the properties of the wood.
- Acetylated wood is classified as more durable (EN 350 durability class 1) than the native ***Pinus radiata*** (EN 350 durability class 5).
- Protection against wood-discolouring fungi (blue stain) is usually necessary.
- Acetylated wood has greater dimensional stability and a lower tendency than unmodified wood to swell, shrink or crack during use. Although water uptake in the wood is not reduced by acetylation, it is no longer possible for water to be adsorbed in the cell wall itself.
- The peripheral equipment and fittings used with Accoya must be made from V2A or V4A stainless steel.

Translucent coating on exterior wood elements made from Accoya

Building element	Impregnation/primer	Intermediate coat	Finishing coat
Windows	Induline GW-306	Induline LW-700 or Induline ZW-504i	Induline LW-700
Front doors	Induline GW-306	Induline LW-725 or Induline ZW-504i	Induline LW-725
Profile boards	Induline GW-310	Induline LW-760	Induline LW-760
Decking	Induline SW-900	Induline OW-815	Induline OW-815
Garden furniture	Induline SW-900	Induline OW-815	Induline OW-815
Railings without ground contact	Induline GW-310	Induline GW-310	Induline GW-310 or Induline LW-710
Folding shutters	Induline GW-310	Induline GW-310	Induline LW-710

In order to stabilise the pH value of the coating, 0.5% Additive VP 20829 must be added to the coating materials during dipping and flow coating.
Compared with unmodified wood, Accoya takes up water faster and reaches maximum saturation sooner. As a result, in particular after impregnation/priming, the drying time increases significantly and is at least 24 hours under normal conditions (20°C and 65% RH).

The possibility of using forced drying to reduce the drying time may be discussed with Remmers Technical Service.

Use Induline SW-910 on cutting edges and end-grain wood for effective protection against moisture.

Opaque coating on exterior wood elements made from Accoya

Building element	Impregnation/Primer	Intermediate coat	Finishing coat
Windows	Induline GW-306 or Induline GW-201 or Induline GW-208 or Induline GW-209	Induline ZW-400 or Induline ZW-425 or Induline DW-601 for medium to dark shades Aqua Stopp	Induline DW-601 Aqua Stopp
Front doors	Induline GW-306 or Induline GW-201 or Induline GW-208 or Induline GW 209	Induline ZW-425 or Induline DW-625 for medium to dark shades	Induline DW-625
Profile boards	Induline GW-203 WF or Induline GW-310	Induline DW-660	Induline DW-660
Garden furniture	Induline GW-310	Induline DW-610	Induline DW-610
Railings without ground contact	Induline GW-310	Induline DW-610	Induline DW-610
Folding shutters	Induline GW-310	Induline DW-610	Induline DW-610

General information about Medite Tricoya panels:

- Tricoya MDF is made from acetylated softwood fibres.
- This gives Tricoya MDF new and improved properties.
- Tricoya MDF is dimensionally stable (significant reduction in swelling and shrinkage).
- Use Induline SW-910 on cutting edges and end-grain wood for effective protection against moisture.
- Tricoya MDF actively takes up water and discharges it back out.
- Ideal for exterior use, e.g. facade cladding.
- The peripheral equipment and fittings used with Tricoya MDF must be made from V2A or V4A stainless steel.

Opaque coating on exterior wood elements made from Tricoya MDF

Building element	Primer	Intermediate coat	Finishing coat
Front doors	Induline SW-910	Induline ZW-425	Induline DW-625
Facade elements	Induline GW-203 WF or Induline GW-310	Induline DW-660 or Induline DW-610	Induline DW-660 or Induline DW-610
Wood elements with limited or no dimensional stability	Induline GW-203 WF or Induline GW-310	Induline DW-660 or Induline DW-610	Induline DW-660 or Induline DW-610

Opaque coating on interior wood elements made from Tricoya MDF

Building element	Primer	Intermediate coat	Clear varnish finish
Furniture, interior furnishings	Aqua PF-430	Aqua CL-440	Aqua SL-418
Kitchen and bathroom furniture, tables, counters	Aqua IF-431	Aqua CL-440	Aqua 2DS-450
Stairs	Aqua CL-445	Aqua CL-445	Aqua TL-412

General tips:

Wood protection through design
In order to guarantee durable wooden building elements and long-lasting coatings, wood protection must be taken into account at the design stage. The design must include mechanisms for repelling water (i.e. avoiding horizontal surfaces, open end grains, capillary joints, areas where water/moisture can accumulate, contact with splashing water, sharp edges).

Protection against mould and algae
We recommend adding Protect MKT 1 to the final coating on surfaces that are at higher risk of algae and mould growth (e.g. due to a layout that causes inadequate ventilation or excessive shade, elevated humidity, failure to reach the dew point, dense tree cover, plant growth, nearby bodies of water, wetland, agricultural areas etc.). In such cases, please consult the relevant Technical Data Sheets.

Substrate condition and adhesion
Set up trial areas to check the compatibility, adhesion and colour on the substrate. For information on using our products, please see the relevant Technical Data Sheets. These can also be downloaded from www.remmers.com.
We cannot make any guarantees as to the suitability of the wood or wood material used (cracks, warping, resin, discolouration, mechanical damage etc.). Please read the product information provided by the supplier.
Please note that these application specifications make no claim as to completeness, as this would require a thorough inspection of the surfaces and materials in question. Therefore, no liability is accepted. If new, previously unknown circumstances arise during execution of the work, they must be taken into consideration accordingly.

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