

Accoya[®] wood cladding, decking & joinery guide with Teknos coatings





Wood without compromise

Accoya® wood is produced using Accsys' proprietary patented process, which effectively converts sustainably grown softwoods and non-durable hardwoods into what is best described as a "high technology wood".

Distinguished by its durability, dimensional stability and, perhaps most importantly of all, its reliability, Accoya® wood is particularly suited to exterior applications where performance and appearance are valued.

Accoya® is guaranteed for 50 years in exterior use and 25 years when used in the ground.

Accoya® is ideal for windows, doors, cladding, decking, structural wood and much more.

Teknos coatings for Accoya®

Accoya® may be coated in the same way as any other wood. Accoya®'s exceptional qualities including its dimensional stability, that reduces swelling stress on coatings, and UV resistance mean improved coatings life and less maintenance.

The Teknos joinery range of factory applied coatings are designed to protect and decorate a wide range of exterior and interior joinery components, claddings and decking.

Suitable for factory application by dipping or flowcoat, automatic and manual spraying and for brush applied maintenance.

Available in an almost unlimited range of opaque and translucent colours.



OUTSTANDING DURABILITY



DIMENSIONALLY STABLE



INSECT BARRIER



FROM SUSTAINABLE SOURCES



CONSISTENT QUALITY THROUGHOUT



RETAINED STRENGTH & HARDNESS



PERFECT FOR COATING



EXCELLENT MACHINABILITY



UV RESISTANT



NATURALLY INSULATING



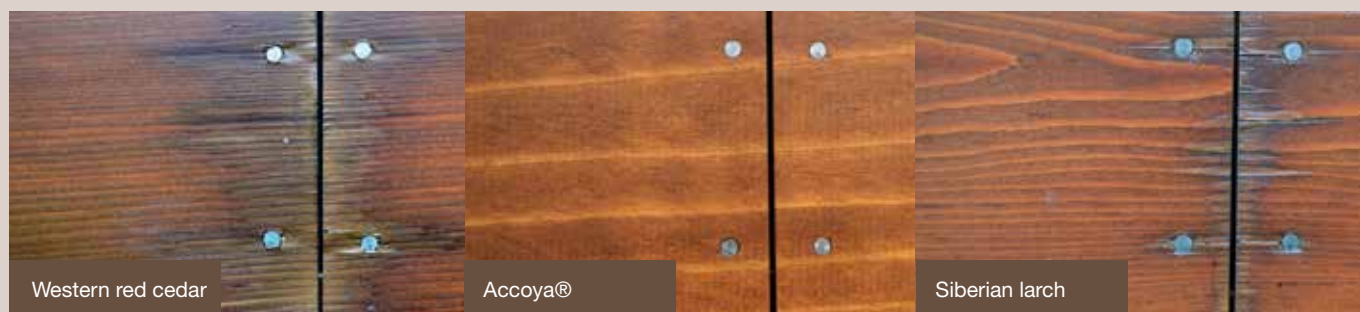
NATURALLY BEAUTIFUL WOOD



NON-TOXIC & RECYCLABLE



LOWER MAINTENANCE COSTS



4.5-year external coating test

"Western red cedar and Siberian larch substrates both exhibited sufficient deterioration either at the ends of boards or at fixing points or otherwise arise failure to justify immediate remedial maintenance whereas boards made from Accoya® were found to be fully functional to the extent that no maintenance other than superficial cleaning of arises was deemed necessary."

4.5-year external coating test

A four and a half test evaluation conducted by Teknos has named Accoya® as the best performing wood as a substrate for Teknos' coatings. Teknos in conjunction with Vincent Timber Ltd, devised a test to provide "real life" data on the performance of three wood species (Western red cedar, Siberian larch and Accoya®). Each board was coated using the same application method. The AQUA PRIMER 2900 Teak was applied by dip application followed by a mid coat of AQUATOP 2600 Cypruss Gloss. Once dry, a topcoat of AQUATOP 2600 Cypruss Gloss was applied to the front face of each board. After 55 months of being exposed to the Oxfordshire countryside, Vincent Timber and TRADA inspected the panels. Accoya® boards have remained in a fully functional condition with virtually no deterioration occurring in the form of splitting or water staining at board ends or at nail fixing points.

Product overview for Accoya® coatings

PRODUCT TYPE	PRODUCT NAME	APPLICATION	COLOUR RANGE	KEY FEATURES
Wood Preservative & Primer *	AQUA PRIMER 2907-02	Dipping, flow coat	Translucent	Protects against blue stain and wood degrading fungi (EN 113 and EN 152)
Primer	AQUAPRIMER 3130	Spraying	Translucent, opaque	Provides good adhesion Equalises surface colour
Knot Sealing Primer	ANTISTAIN AQUA 5200	ANTISTAIN AQUA 5200-01 Dipping, flow coat ANTISTAIN AQUA 5200-00 Spraying	White	Reduces and delays discoloration of the topcoat Reduces the need for sanding
Antibleed primer	ANTISTAIN AQUA 2901	ANTISTAIN AQUA 2901-52 Dipping, flow coat ANTISTAIN AQUA 2901-00 Spraying	White	Prevents discoloration of the topcoat Reduces the need for sanding
Intermediate	AQUAFILLER 6500	Dipping, flow coat	Colourless	Fills grains Reduces the need for sanding
Topcoat	AQUATOP 2600	Spraying, brush	Translucent, opaque	Less yellowing in opaque systems, excellent clarity in translucent systems Non blocking formulation
Topcoat	NORDICA EKO 3330 / NORDICA EKO 3894	Brush machine, brush, vacuumat, spraying	Translucent, opaque	Excellent weather resistance
End grain sealer	TEKNOSEAL 4000	Brush, putty knife	Colourless	Minimises moisture vulnerability of exposed end grain
V-joint sealer	TEKNOSEAL 4001	Cartridge, mastic gun	Colourless	Minimises moisture ingress at joints

* Use biocides safely. Always read the label and product information before use.



Private residence, India

The residence needed a premium and unique look to complement the other wood and luxury interior furnishings. With the Indian climate so prone to change, any material used must be up to the challenge of facing varying and extreme weather. Accoya® coated with AQUA PRIMER 2907 and AQUATOP 2600 wood was the answer.



Recommended coating systems for windows and doors

For window frames, Accoya® wood is the material of choice. Not only does it have extremely low thermal conductivity but it matches or exceeds the durability and dimensionally stability of the best tropical hardwoods. Accoya®'s low maintenance requirements add to its cost effectiveness and environmental credentials.

Accoya window durability has recently been reviewed in a study by TRADA which concluded that Accoya windows, built to standards of modern best practice can provide a 70 year service life.

Exterior doors and shutters should be durable, dimensionally stable (to prevent doors jamming and becoming difficult to open and close in bad weather) and easy to maintain. Accoya® wood meets these criteria and may be used to create simple or complex designs.

NHS Victoria Hospital, Great Britain

During a 2,5 year inspection of the project 103 windows finished with an opaque white Teknos coating show no sign of rot, decay, or coating degradation. The National Health Service was so impressed with the results that they have commissioned a further 91 Accoya® sash windows with Teknos coatings.

OPAQUE 1	OPAQUE 2	TRANSLUCENT 1	TRANSLUCENT 2
ANTISTAIN AQUA 5200 / ANTISTAIN AQUA 2901	ANTISTAIN AQUA 5200 / ANTISTAIN AQUA 2901	AQUA PRIMER 2907-02*	AQUA PRIMER 2907-02*
AQUATOP 2600**/ ***	AQUATOP 2600**	AQUATOP 2600**/ ***	AQUAFILLER 6500 / AQUAPRIMER 3130
	AQUATOP 2600**/ ***		AQUATOP 2600**/ ***

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** Min. requirements for film build apply.

*** If needed TEKNOSEAL 4000 and / or TEKNOSEAL 4001 may be applied before applying topcoat



Commercial building, Pune, India

Developer was looking to make a striking impact for their brand new commercial property headquarters. The architect, one of the most well respected in India, was looking for a unique material to compliment this signature project for the owner. Accoya® wood with TEKNOS fully factory translucent finished coating was the answer.

Recommended coating systems for cladding, siding and façades

Accoya® wood is a perfect solution for exterior cladding, siding and façades where aesthetics, less frequent maintenance, dimensional stability, durability and insulation value are key factors. Accoya® woods versatility makes it ideal for use in residential, commercial and industrial structures



Bellway Homes in Purfleet, Essex, Great Britain

The wood was to be coated with a challenging black finish (dark coatings readily absorb sunlight) and stability was therefore critical. A recent review of these stunning 19 homes in 2012 found that the Accoya® wood used was still looking superb with excellent colour retention and no signs of rot or decay.

Spraying		Brush machine, vacuumat	
OPAQUE	TRANSLUCENT	OPAQUE	TRANSLUCENT
AQUA PRIMER 2907-02*	AQUA PRIMER 2907-02*	AQUA PRIMER 2907-02*	AQUA PRIMER 2907-02*
NORDICA EKO 3330**/ *** / NORDICA EKO 3894**/ *** / AQUATOP 2600**/ ***	NORDICA EKO 3330**/ *** / NORDICA EKO 3894**/ *** / AQUATOP 2600**/ ***	NORDICA EKO 3330** / NORDICA EKO 3894** / AQUATOP 2600**	NORDICA EKO 3330** / NORDICA EKO 3894** / AQUATOP 2600**
		NORDICA EKO 3330**/ *** / NORDICA EKO 3894**/ *** / AQUATOP 2600**/ ***	NORDICA EKO 3330**/ *** / NORDICA EKO 3894**/ *** / AQUATOP 2600**/ ***

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Outdoor dance floor in rainy Copenhagen, Denmark

Accoya® outdoor dance floor survives the wet climate of Copenhagen: two and half years on the dance floor has undertaken all sorts of weather conditions and frequent foot flow and yet still remains stable and in very good condition considering the external environment.

Exterior decking

In specifying decking, beauty, strength and all-weather performance are important. A material that is durable, stable and beautiful is desirable. It is also crucial that the wood is non-toxic and therefore totally safe for people and pets. For treatment recommendations of Accoya wood for decking please contact your Teknos representatives.

Top floor of prestigious downtown commercial building, Mumbai, India

The challenge was to construct a wooden floor which can stand over 2m of rain every year, meaning any material used must cope with significant levels of precipitation, as well as related drainage.





Weekend farmhouse, Panvel, India

The climate in this area of India is tropical with heavy winds during monsoon seasons. The timber and system coatings used for construction projects situated in such varying weather conditions have to be exceptionally durable and stable. Accoya® with Teknos translucent coatings TEKNOS AQUA 2907 and AQUATOP 2600 complements the natural surroundings of the farmhouse.

Exposure, redecoration intervals and performance warranty

Exterior joinery, manufactures from Accoya® and fully protected by Teknos coating systems, would be expected to give a service life of 60 years if the manufacturer’s maintenance procedures are followed.

The unique properties of acetylated timber, in conjunction with best design practice, allows regular maintenance periods to be extended, though individual maintenance schedules will be influenced by location, exposure conditions and the type of finish specified.

The durability of translucent coatings is shade dependent and lower than that for opaque colours. Generally darker translucent shades will give a longer life to first maintenance than lighter shades.



Belle Tout lighthouse hotel, Great Britain

Accoya® wood windows with a Teknos coating was the ideal solution in this extreme environment. A recent review 2.5 years after the window and door installation showed there was no signs of rot or decay or coating degradation in this ever-changing tough climate.

TEKNOS WARRANTY INDICATIONS	2-LAYER COATING SYSTEM	3-LAYER COATING SYSTEM
ACCOYA® WINDOWS & DOORS*	Opaque: 10 years Translucent: 8 years	Opaque: 12 years Translucent: 10 years
ACCOYA® CLADDING*	Opaque: 8 years Translucent: 6 years	Opaque: 12 years Translucent: 10 years

* The Teknos performance warranty covers embrittlement, flaking or cracking of the coating system as a result of a coating manufacturing fault.

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The Teknos Group

Teknos is one of Europe's leading suppliers of industrial coatings with a strong position in retail and architectural coatings.

Teknos has its own production in eight countries: Finland, Sweden, Denmark, Germany, the Netherlands, Poland, Russia and China. In addition, Teknos has sales companies in 18 countries and exports to more than 20 countries via a well-established network of dealers.

Teknos employs around 1 300 staff. Teknos was established in 1948 and is one of Finland's largest family-owned businesses.

● Group companies

● Network of dealers

www.teknos.com

