

Coatings guide

for Accoya[®] wood

Intergrain

Cabot's

 **TEKNOS**





What is Accoya?

Accoya® wood is produced using Accsys' proprietary patented process, which converts sustainably grown softwoods into wood that matches or exceeds the durability, stability and termite resistance of the very best tropical hardwoods.

Accoya is manufactured in the Netherlands from radiata pine and used around the world since factory commissioning in 2007.

Durable, dimensionally stable and reliable, Accoya® wood is particularly suited to exterior applications where performance and appearance are valued.

Accoya® is helping to protect the world's precious hardwood resources and is guaranteed for up to 50 years above ground and 25 years in ground.

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

KEY FEATURES

DIMENSIONALLY STABLE

OUTSTANDING DURABILITY

PERFECT FOR COATING

Accoya® wood is produced from sustainably sourced, fast growing wood and manufactured using Accsys' proprietary patented modification process from surface to core.

BAREFOOT FRIENDLY

NATURALLY INSULATING

EXCELLENT MACHINABILITY

INSECT BARRIER

CONSISTENT QUALITY THROUGHOUT

NATURALLY BEAUTIFUL WOOD

FROM SUSTAINABLE SOURCES

RETAINED STRENGTH & HARDNESS

NON-TOXIC & RECYCLABLE

Recommended woodcare brands



Teknos is one of Europe's leading suppliers of joinery coatings and a major producer of industrial, powder and architectural paints.

Teknos coatings are designed as fully factory applied coating systems that can be customised to meet your needs. Teknos has a positive track record of coatings on Accoya since 2007, in factory application of joinery, cladding and decking. Teknos coatings enhance resistance to blue stain and black spot moulds, providing durable long lasting performance.

www.teknos.com.au



Intergrain Timber Finishes are dedicated to using the latest in water based technology to deliver high performance products with a strong focus on exterior durability.

Intergrain products are ideal for all commercial and residential projects, and are thoroughly tested at 3 NATA (National Association of Testing Authorities) sites across Australia to ensure they withstand Australia's harsh climate.

www.intergrain.com.au



Cabot's has been creating professional quality woodcare finishes for use in and around the home for generations.

Unique to the renowned Cabot's woodcare range is Timbercolour Deck & Exterior Paint, a self priming water based coating that has long term proven performance on both trafficable and vertical timber surfaces. It is designed specifically for use on timber, so it does not compromise on quality and is backed by a 15 year protection guarantee.

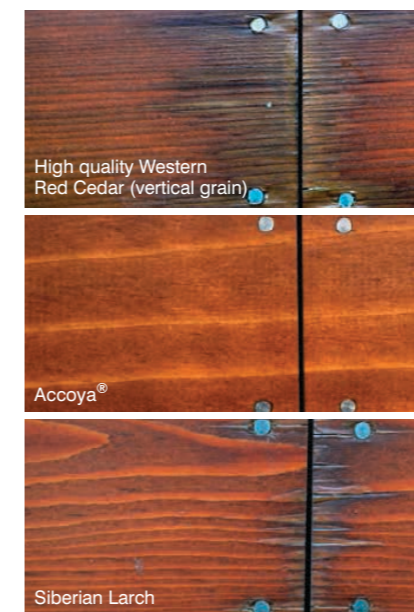
www.cabots.com.au

Accoya + high performance coatings

The ultimate combination

Benefits of Accoya

The stability of Accoya helps to keep coatings looking freshly coated for longer.



5-year external coating test

A test evaluation conducted by Teknos UK has determined Accoya significantly extends coating life and reduces maintenance requirements. Teknos 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. After 5 years of being exposed to the Oxfordshire countryside, Accoya® boards have remained in a fully functional condition with virtually no deterioration occurring.

This performance matches inspection data for Teknos translucent stain coatings on large Accoya cladding projects in India over the same 5 year period.

Benefits of high performance coatings



Improve dimensional stability
Coatings create a barrier between Accoya and water settling on the surface. This slows down the rate of moisture transfer, thereby reducing the chances of surface checking.



Protect against damage caused by UV radiation
Coatings that contain UV absorbers and pigments help to block UV radiation from damaging the timber surface, thereby helping to maintain the timber over the long term.



Reduce mould and fungal growth
Constant moisture can cause the growth of mould, mildew and fungus. It is recommended to use coatings that have been specifically formulated to resist both blue stain and black spot mould growth.

Accoya finishing methods



Factory finishing

For the best finish, a fully factory applied Teknos coating system is recommended.

Excellent durability

Controlled application conditions ensure correct film builds are applied at every stage, thereby achieving better long-term durability.

Flawless finish

Teknos translucent finishes have high clarity to maintain the natural appearance of the timber grain, and Teknos opaque finishes have exceptional tannin blocking to prevent discolouration of lighter shades.

Coated on all sides

Pre-finishing makes it quick and easy to fully coat the timber on all sides, resulting in a significantly extended life span.

Get the job finished quicker

Compared to hand finishing, a customised finishing line will significantly increase throughput, and with timber delivered to site pre-finished, there is less coating needed after installation resulting in time and labour savings.

Proven performance on Accoya

Teknos has worked with Accoya continuously since 2007, in hundreds of wood processing factories to help provide highly durable finishes, and strong technical service to industrial applicators.



Site finishing

Accoya should be pre-treated in factory with Teknos Aqua Primer 2907 to help protect from the growth of unsightly surface moulds, but finishing on-site with an Intergrain or Cabot's coating can give you greater flexibility and choice.

Maintenance

With the backing of a comprehensive durability testing program, Intergrain UltraDeck, NaturalStain, and Cabot's Timbercolour will not blister, flake or peel, making them easy to maintain.

Colour choice

Intergrain and Cabot's offer a wide choice of colours in translucent and opaque finishes.

Distribution network

Intergrain and Cabot's products are readily available through most leading Retail and Trade outlets nationally, making it quick and easy to source product as needed for the job.

Choose the applicator

Intergrain and Cabot's products are sold to both DIY and Trade customers, so you have the flexibility to choose your preferred professional applicator.

Proven performance on Accoya

When used in combination with Teknos Aqua Primer 2907, Intergrain UltraDeck, NaturalStain and Cabot's Timbercolour will help to protect against the growth of surface moulds, and provide long cycles between maintenance.

Caring for Accoya

Coating tips

Reduce mould growth

Accoya is susceptible to growth of surface moulds, to slow this process down pre-treat with Teknos Aqua Primer 2907.

Protect the end grain

Timber absorbs moisture most readily through the end grain, always seal exposed end grain with a coating before installation.

Choose darker, translucent colours

For longer life of translucent coatings, choose darker colours over lighter shades.

Rounded corners

For better coating performance, all timber edges should be rounded to a 3mm radius.

Coat on all sides

For longer life, ensure all four sides are coated.

Stainless steel fixings

High quality stainless steel fixings are strongly recommended with Accoya.

For more information, please refer to section 06 of the Accoya Wood Information Guide, available through the Resource Centre of the Accoya website.

Maintenance

Exposure to weather and foot traffic breaks down all coatings eventually, allowing moisture to absorb into the timber. After installation, the longevity of the coating is dependent on the location, aspect on site and degree of exposure to the weather.

To ensure the timber remains protected from moisture ingress, and, the coating maintains its original colour and appearance, the coating must be maintained correctly over its lifetime.

Ask your Sales Representative for further advice about maintaining coatings.

Coating system recommendations

Fully factory finished systems

For non-trafficable surfaces such as windows, doors, cladding, interior lining, soffits.



Translucent finish

	Fully factory finished system			
Coat	1st coat	2nd coat	3rd coat	4th coat for coastal & high UV areas
Product	Teknos Aqua Primer 2907-02	Teknos Aqua Filler 6500 or Aqua Primer 3130	Teknos Aquatop 2600	Teknos Aquatop 2600
Product type	Treatment	Intermediate	Topcoat	Topcoat
Use	Water based mould resistant combi-primer	Water based high build translucent intermediate	Water based exterior durable translucent topcoat	
Key features	Helps to protect against growth of mould, fungus and blue stain.	<ul style="list-style-type: none"> Provides good adhesion Reduces the need for sanding 	<ul style="list-style-type: none"> Non blocking formula Reduces mould growth Excellent clarity 	
Application	Dip, flowcoat	Dip, flowcoat, spray	Spray, brush	



Opaque Finish

	Fully factory finished system			
Coat	1st coat	2nd coat	3rd coat	4th coat for coastal & high UV areas
Product	Teknos Aqua Primer 2907-02	Teknos Antistain Aqua 2901-52 or Antistain Aqua 2901-00	Teknos Aquatop 2600	Teknos Aquatop 2600
Product type	Treatment	Primer	Topcoat	Topcoat
Use	Water based mould resistant combi-primer	Water based antibleed opaque primer	Water based exterior durable opaque topcoat	
Key features	Helps to protect against growth of mould, fungus and blue stain.	<ul style="list-style-type: none"> Provides good adhesion High opacity Reduces tannin bleed 	<ul style="list-style-type: none"> Non blocking formula Reduces mould growth Excellent clarity 	
Application	Dip, flowcoat	Dip, flowcoat, spray	Spray, brush	

Coating system recommendations

Site finished systems

For walk-on surfaces such as decking, and other timber surfaces such as windows, doors, cladding, linings, soffits.



Translucent Finish

	Factory applied pre-treatment	Site finishing		
Coat	1st coat	2nd coat	3rd coat	4th coat for coastal & high UV areas
Product	Teknos Aqua Primer 2907-02	Intergrain UltraDeck or NaturalStain	Intergrain UltraDeck or NaturalStain	Intergrain UltraDeck or NaturalStain
Product type	Treatment	Topcoat	Topcoat	Topcoat
Use	Water based mould resistant combi-primer	Water based exterior semi-penetrating oil or stain		
Key features	Helps to protect against growth of mould, fungus and blue stain.	<ul style="list-style-type: none"> Will not blister, flake or peel Reduces mould growth Resists stain absorption, dirt and dust adhesion 		
Application	Dip, flowcoat	Spray, brush, lambswool applicator		



Opaque Finish

	Factory applied pre-treatment	Site finishing		
Coat	1st coat	2nd coat	3rd coat	4th coat for coastal & high UV areas
Product	Teknos Aqua Primer 2907-02	Cabot's Timbercolour Deck & Exterior Paint	Cabot's Timbercolour Deck & Exterior Paint	Cabot's Timbercolour Deck & Exterior Paint
Product type	Treatment	Topcoat	Topcoat	Topcoat
Use	Mould resistant combi-primer	Water based exterior opaque timber coating		
Key features	Helps to protect against growth of mould, fungus and blue stain.	<ul style="list-style-type: none"> Will not blister, flake or peel Superior tannin blocking Dirt & mould resistant 		
Application	Dip, flowcoat	Spray, brush, roller		

www.teknos.com.au

www.intergrain.com.au

www.accoya.com

**For more information call 1800 630 285 or
contact your local sales representative.**

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Intergrain Timber Finishes. 1956 Dandenong Rd, Clayton VIC Australia 3168




**Cabot's Timbercolour Low Sheen on New Accoya
[Interior/Exterior]**









AU_SW11411

Description	
<p>Cabot's Timbercolour is a premium oil enriched acrylic self priming exterior paint specifically formulated to provide exceptional durability to all exterior timber surfaces and decking. It's unique oil enriched formula nourishes and protects the timber above and below the surface while providing excellent dirt and stain resistance. Cabot's guarantees that Timbercolour will not blister, flake or peel for 15 years provided it is applied according to an approved written DuSpec Specification*. This system is intended for site application</p>	

Substrate And Substrate Preparation	
<p>Substrate Notes:</p>	<p>Accoya® is modified wood, created using the proprietary technology of Accsys Technologies PLC. The Accoya® modification process takes fast growing, sustainably sourced softwood and by utilising acetylation, a non-toxic process using acetic anhydride, produces a new durable and stable product. Accoya® wood is a highly durable, Class 1 timber but it must be treated for protection against blue stain and all end grain must be sealed to prevent water ingress.</p>
<p>Substrate Preparation Notes:</p>	<p>ASSESS SUITABILITY Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 3 – 7 % wood measuring more than 8% moisture content is likely to have excessive "free" water and should be allowed to dry further before staining or finishing can commence.</p> <p>REPAIR SURFACE IMPERFECTIONS AND SEAL ALL ENDGRAIN Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly. Seal all end grain using TEKNOSEAL 4000 or other suitable sealer</p> <p>SANDING Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.</p> <p>REMOVE SURFACE CONTAMINANTS Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and / or suitable chemical wood cleaner. CLEAN Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment. Allow timber to fully dry prior to coating.</p> <p>PRIMING Accoya® wood is prone to blue stain mould and as such it must be treated with TEKNOS AQUAPRIMER 2907 to prevent mould growth.</p>

Coating System Summary	
Primer:	AU_DW01946: Teknos AQUAPRIMER 2907 Treatment
2nd Coat:	AUDW0660: Cabot's Timbercolour Low Sheen
3rd Coat:	AUDW0660: Cabot's Timbercolour Low Sheen
Please refer to the coating system details below	

Coating System			
Coat Type:	Primer	Datasheet:	AU_DW01946 Teknos AQUAPRIMER 2907 Treatment
Application Methods:	<p> Other</p> <p>Dip, flow coat or brush and must be applied to saturation. Can also be applied in a factory using a vacuum coater or brushing machine</p>		
Recoat Time **		Min	Max
		120	Recommended
Coating Application Details:	This product is delivered ready for use. Stir well before use.		

Coat Type:	2nd Coat	Datasheet:	AUDW0660 Cabot's Timbercolour Low Sheen
Application Methods:	    Air Spray Airless Spray Brush Roller		
		Min	Max
Theoretical Spread Rate *			Recommended
Wet Film Per Coat (microns)			16
Dry Film Per Coat (microns)			64
Recoat Time **	2 hours		23
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply by brush, roller or spray. When spraying, always backbrush immediately after each section is coated, to ensure a uniform finish. Apply two generous coats of Cabot's Timbercolour. Apply three coats on all unpainted timber. Take particular care to seal the end grain. THINNING In hot conditions or highly absorbent surfaces, thin the coat with up to 10% water.		
Coat Type:	3rd Coat	Datasheet:	AUDW0660 Cabot's Timbercolour Low Sheen
Application Methods:	    Air Spray Airless Spray Brush Roller		
		Min	Max
Theoretical Spread Rate *			Recommended
Wet Film Per Coat (microns)			16
Dry Film Per Coat (microns)			64
Recoat Time **	2 hours		23
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply by brush, roller or spray. When spraying, always backbrush immediately after each section is coated, to ensure a uniform finish. Apply two generous coats of Cabot's Timbercolour. Apply three coats on all unpainted timber. Take particular care to seal the end grain. THINNING In hot conditions or highly absorbent surfaces, thin the coat with up to 10% water.		
Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.		

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**Cabot's Timbercolour Low Sheen on New Accoya
[Interior/Exterior/Coastal]**













AU_SW11419

Description	
<p>Cabot's Timbercolour is a premium oil enriched acrylic self priming exterior paint specifically formulated to provide exceptional durability to all exterior timber surfaces and decking. It's unique oil enriched formula nourishes and protects the timber above and below the surface while providing excellent dirt and stain resistance. Cabot's guarantees that Timbercolour will not blister, flake or peel for 15 years provided it is applied according to an approved written DuSpec Specification*. This system is intended for site application.</p>	

Substrate And Substrate Preparation	
<p>Substrate Notes:</p>	<p>Accoya® is modified wood, created using the proprietary technology of Accsys Technologies PLC. The Accoya® modification process takes fast growing, sustainably sourced softwood and by utilising acetylation, a non-toxic process using acetic anhydride, produces a new durable and stable product. Accoya® wood is a highly durable, Class 1 timber but it must be treated for protection against blue stain and all end grain must be sealed to prevent water ingress.</p>
<p>Substrate Preparation Notes:</p>	<p>ASSESS SUITABILITY Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 3 – 7 % wood measuring more than 8% moisture content is likely to have excessive "free" water and should be allowed to dry further before staining or finishing can commence.</p> <p>REPAIR SURFACE IMPERFECTIONS AND SEAL ALL ENDGRAIN Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly. Seal all end grain using TEKNOSEAL 4000 or other suitable sealer</p> <p>SANDING Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.</p> <p>REMOVE SURFACE CONTAMINANTS Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and / or suitable chemical wood cleaner. CLEAN Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment. Allow timber to fully dry prior to coating.</p> <p>PRIMING Accoya® wood is prone to blue stain mould and as such it must be treated with TEKNOS AQUAPRIMER 2907 to prevent mould growth.</p>

Coating System Summary	
Primer:	AU_DW01946: Teknos AQUAPRIMER 2907 Treatment
2nd Coat:	AUDW0660: Cabot's Timbercolour Low Sheen
3rd Coat:	AUDW0660: Cabot's Timbercolour Low Sheen
4th Coat:	AUDW0660: Cabot's Timbercolour Low Sheen
Please refer to the coating system details below	

Coating System			
Coat Type:	Primer	Datasheet:	AU_DW01946 Teknos AQUAPRIMER 2907 Treatment
Application Methods:	<p> Other</p> <p>Dip, flow coat or brush and must be applied to saturation. Can also be applied in a factory using a vacuum coater or brushing machine</p>		
Recoat Time **		Min	Max
		120	Recommended
Coating Application Details:	This product is delivered ready for use. Stir well before use.		

Coat Type:	2nd Coat	Datasheet:	AUDW0660 Cabot's Timbercolour Low Sheen	
Application Methods:	   	Air Spray Airless Spray Brush Roller		
		Min	Max	Recommended
Theoretical Spread Rate *				16
Wet Film Per Coat (microns)				64
Dry Film Per Coat (microns)				23
Recoat Time **		2 hours		
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply by brush, roller or spray. When spraying, always backbrush immediately after each section is coated, to ensure a uniform finish. Apply two generous coats of Cabot's Timbercolour. Apply three coats on all unpainted timber. Take particular care to seal the end grain.			
	THINNING In hot conditions or highly absorbent surfaces, thin the coat with up to 10% water.			
Coat Type:	3rd Coat	Datasheet:	AUDW0660 Cabot's Timbercolour Low Sheen	
Application Methods:	   	Air Spray Airless Spray Brush Roller		
		Min	Max	Recommended
Theoretical Spread Rate *				16
Wet Film Per Coat (microns)				64
Dry Film Per Coat (microns)				23
Recoat Time **		2 hours		
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply by brush, roller or spray. When spraying, always backbrush immediately after each section is coated, to ensure a uniform finish. Apply two generous coats of Cabot's Timbercolour. Apply three coats on all unpainted timber. Take particular care to seal the end grain.			
	THINNING In hot conditions or highly absorbent surfaces, thin the coat with up to 10% water.			
Coat Type:	4th Coat	Datasheet:	AUDW0660 Cabot's Timbercolour Low Sheen	
Application Methods:	   	Air Spray Airless Spray Brush Roller		
		Min	Max	Recommended
Theoretical Spread Rate *				16
Wet Film Per Coat (microns)				64
Dry Film Per Coat (microns)				23
Recoat Time **		2 hours		
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply by brush, roller or spray. When spraying, always backbrush immediately after each section is coated, to ensure a uniform finish. Apply two generous coats of Cabot's Timbercolour. Apply three coats on all unpainted timber. Take particular care to seal the end grain.			
	THINNING In hot conditions or highly absorbent surfaces, thin the coat with up to 10% water.			
Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.			

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