

EXTERIOR SOLUTIONS

Product overview
for industrial wood coatings



SOLUTIONS FOR EXTERIOR WOOD

The exterior surfaces of buildings have a lot of demands placed on them. Not only do they have to protect the substrate from deterioration within itself, but they also have to fend off the elements, guard against everyday wear, and retain their beautiful finish. Teknos coatings can help surfaces withstand the harshest climates, and to protect them from UV light, rain, humidity, and extreme temperatures, our products are designed to ensure your products stand the test of time by looking their best year after year.

We offer waterborne solutions to support our sustainability ambitions to care for the environment, reduce consumption, and increase the durability and service life of surfaces. Both Teknos' film, semi-film, and non-film forming products provide deep penetration into the desired raw substrate and have excellent adhesion properties:

- **Film forming** creates a coating, or "film," on top of the wood surface. It provides a low- to high-build aesthetic finish while delivering exceptional durability with high-grade UV protection and a high degree of water repellency that are able to withstand the demanding conditions of both tropical and subtropical climate zones.
- **Semi-film forming** with a low-build helps protect the wood by reducing the effects of weathering. Only suitable for cladding, not garden furniture.
- **Non-film forming** delivers an aesthetic "unfinished natural wood" and "no build" look while providing weather durability.



TESTING STRENGTHS, TEKOS TESTS, AND THE TECHNOLOGY BEHIND OUR EXTERIOR PAINT

Get a glimpse into the world of Teknos coatings for exteriors, the technology behind our paints, and the extensive testing programme Teknos conducts to meet EN standards and ensure durability for our exterior coating solutions.

It focuses on the strength of our testing programme for industrial systems, which results in high-performing, extremely durable coatings for our customers. Also, peek into the laboratories, get a glimpse of the technology behind paint, and get an eagle's view of our huge exposure test field.

[Watch the video](#)



Learn more about the tests and equipment shown in our video to help you understand why each test creates a better coating product for our customers.

[Testing strengths video explainer](#)



Find advice, techniques, and tips for all stages of production, from the preparation of materials all the way through delivery and maintenance.

[Technical library: Exterior industry coating](#)



Read one of our **Teknos success stories:** Coating wooden windows and doors in Central Java for export to Scandinavia.

[Qvesarum exterior coatings](#)



YOUR PARTNER FOR TOTAL COATING CONFIDENCE

As a manufacturer of exceptional-quality products, you want assurances for your business and your customers that your exterior products are protected. We offer unrivalled support for your coating operations. Part of that support is to ensure our exterior coatings' performance, but Teknos Total Trust goes beyond this. We believe that if our manufacturing customers are properly supported, then our coatings will be at peak performance during the lifetime of the products they cover.

TRUST

- You have placed your trust in Teknos.
- You can trust that our coatings will protect your products.

TEKNOS

- Proven high performance in coatings across the globe for over 70 years.
- A family company that is committed to sustainability as a key driver of its strategic direction.

TOTALLY

- Working with you to optimize your coating processes.
- Offering expertise in construction design to further enhance exterior coating effectiveness.
- Advising on advanced solutions and new developments that will extend the life of your products.
- Providing services and support that give you unequivocal confidence in exterior coating durability.
- Guidance on maintenance and re-painting so that you can ensure customers enjoy your products for many years.



LONG-LASTING CLADDING

Installed in 2010, first repainting scheduled for 2020.
Using Teknos AQUATOP 2600 and AQUA PRIMER 2907.

ABIL House, India

When we say you can trust Teknos, we mean more than just our coatings

The partnership with our customers is a way of working that looks at the coating operation as a whole. This unified approach is designed to maximise protection of your products and reassure your customers of the outstanding quality of your manufacturing.

OUR TOTAL SUPPORT

With over 70 years of expertise in coatings, we can advise on:

How to optimize your coating processes:

- Choosing the right nozzles and spray pressure to get a uniform film build.
- Spray painting a window in one work process instead of four will reduce issues such as sagging or slow drying caused by incorrect application techniques.

Construction design to further enhance exterior coating effectiveness by:

- Employing machining methods that support the right coating film build
- Rounding edges and avoiding poorly machined sharp or inconsistent ones

Advanced solutions and new developments to extend the life of your products

- Coatings that provide extra protection from fire or reduce the impact of hail damage

A fully maintainable system with maintenance and repainting guidance for your customers

- Visit our website for our handy homeowner guides to offer your customers bespoke advice on keeping the applied coatings in peak condition and extending the service life of your product.

WOODEN WINDOWS, WINDOW SHUTTERS, CONSERVATORIES AND DOORS

Teknos exterior coating formulations take into account the requirements of wood window and door manufacturers for coating hardness combined with protection against wood-destroying, wood-discoloring fungi, and surface mould. At the same time, Teknos high-quality binders keep yellowing and discolouring to a minimum, a key consideration for white or translucent finishes for wood products.



BUILD-UP RECOMMENDATION:

TRANSLUCENT SYSTEM

Product Name	Film Forming				
	Hardwood		Modified Hardwood		Modified Softwood (Accoya)
	4 layers	5 layers	4 layers	3 layers	3 layers
AQUA PRIMER 2907-02	✓	✓	✓	✓	✓
ANTISTAIN AQUA 2901-63		✓	✓		
ANTISTAIN AQUA 2901-12	x2 ✓	✓			
AQUATOP 2600-60 (BASE T)	✓	x2 ✓	x2 ✓	x2 ✓	x2 ✓

OPAQUE SYSTEM

Product Name	Film Forming										
	Hardwood Acacia/Mahogany		Hardwood Meranti (non-durable)		Modified Hardwood (Thermo Acacia/Ash)			Modified Softwood (Accoya)		Modified Softwood (Tricoya)	
	4 layers		4 layers		3 layers	4 layers		3 layers	4 layers	4 layers	
AQUA PRIMER 2907-02			✓	✓	✓	✓	✓	✓	✓	✓	✓
ANTISTAIN AQUA 3101-01	✓	✓									
ANTISTAIN AQUA 2901-80		✓		✓							
ANTISTAIN AQUA 2901-00	x2 ✓	✓	x2 ✓	✓	✓	✓	x2 ✓	✓	✓	✓	✓
TEKNOSEAL 4002-00										✓	✓
TEKNOCLAD 3370-22											✓ (BASE 1 or 3)
AQUATOP 2600-23	✓	✓	✓	✓	✓	x2 ✓	✓	✓	x2 ✓	✓	



Disclaimer:

The exact products and application weights vary depending on the types of substrates and conditions. The build-up systems will need to be customised to meet your specific requirements, specifications, and production processes. Performance results may vary depending on the exact build-up system, application process, and quality of the substrate (surface properties).

CLADDING AND FACADES

Whether traditional or modern, left in its natural state or luxuriously finished, cladding not only contributes to the aesthetic finish of a building, it also plays an important role in its structure by transferring wind loads, impact loads, and self-weight back to the structural framework. We provide an extensive range of coatings that are available in both opaque and translucent finishes. Our high-performance products have been developed to help cladding withstand the harshest climates and protect the timber from UV light, rain, humidity, dirt, cold, and heat.



BUILD-UP RECOMMENDATION:

TRANSLUCENT SYSTEM

Product Name	Film Forming							
	Hardwood	Softwood		Modified Hardwood		Modified Softwood (Accoya)		Modified Softwood (Tricoya)
	5 layers	4 layers		5 layers	3 layers	4 layers	3 layers	4 layers
AQUA PRIMER 2907-02	✓	✓	✓	✓	✓	✓	✓	✓
ANTISTAIN AQUA 2901-12		✓						
ANTISTAIN AQUA 2901-63	x2 ✓		✓	x2 ✓		✓		
TEKNOSEAL 4002-00								✓
AQUATOP 2600-60 (BASE T)	x2 ✓	x2 ✓	x2 ✓	x2 ✓	x2 ✓	x2 ✓	x2 ✓	x2 ✓

Product Name	Semi-film Forming		
	Hardwood	Softwood	Modified Softwood (Accoya)
	3 layers		
AQUA PRIMER 2907-02		✓	
DRYWOOD WOODSTAIN VV		x2 ✓	

Product Name	Non-film Forming			
	Hardwood	Softwood	Modified Hardwood	Modified Softwood (Accoya)
	3 layers			
AQUA PRIMER 2907-02			✓	
WOODEX AQUA CLASSIC			x2 ✓	

OPAQUE SYSTEM

Product Name	Film Forming								
	Hardwood	Hardwood with protection against tannins	Softwood		Modified Hardwood		Modified Softwood (Accoya)		Modified Softwood (Tricoya)
	3 layers	4 layers	3 layers		3 layers		3 layers		4 layers
AQUA PRIMER 2907-02	✓		✓	✓	✓	✓	✓	✓	✓
ANTISTAIN AQUA 3101-01		✓							
ANTISTAIN AQUA 2901-00	✓	x2 ✓	✓		✓		✓		✓
TEKNOSEAL 4002-00									✓
TEKNOCLAD 3370-22			✓	x2 ✓	✓	x2 ✓	✓	x2 ✓	✓
AQUATOP 2600-23	✓	✓							

Product Name	Semi-film Forming	
	Softwood	Modified Softwood (Accoya)
	3 layers	
AQUA PRIMER 2907-02		✓
DRYWOOD WOODSTAIN VV		x2 ✓



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GARDEN SURFACES

Extending our indoor living space into the outdoors offers several advantages that can significantly improve our quality of life. The well-being benefits of outdoor spaces are undeniable; adding a functional area promotes relaxation, reduces stress, and encourages a healthier lifestyle, and garden structures can complement the home's architecture too. Be sure to incorporate good quality outdoor elements and products that can blend with their surroundings but also function year-round in all weathers. Our Teknos protective coating solutions for garden surfaces are suitable for decking, fencing, balconies, and garden furniture.



BUILD-UP RECOMMENDATION:

TRANSLUCENT SYSTEM

Product Name	Film Forming				
	Hardwood (Closed pores)		Modified Hardwood		Modified Softwood (Accoya)
	5 layers		Closed pores	Open pores	
AQUA PRIMER 2907-02	✓	✓	✓	✓	✓
ANTISTAIN AQUA 2901-63	✓	x2 ✓	✓	x2 ✓	
ANTISTAIN AQUA 2901-12	✓		✓		
AQUATOP 2600-60 (BASE T)	x2 ✓	x2 ✓	x2 ✓	x2 ✓	x2 ✓

Product Name	Non-film Forming	
	Hardwood	Modified Hardwood
	3 layers	
AQUA PRIMER 2907-02	✓	
WOODEX AQUA CLASSIC	x2 ✓	

OPAQUE SYSTEM

Product Name	Film Forming				
	Hardwood		Modified Hardwood		Modified Softwood (Accoya)
	5 layers		4 layers		
ANTISTAIN AQUA 3101-01	✓	✓			
AQUA PRIMER 2907-02	✓	✓	✓	✓	✓
ANTISTAIN AQUA 2901-80	✓	x2 ✓	✓	x2 ✓	
ANTISTAIN AQUA 2901-00	✓		✓		✓
AQUATOP 2600-23	✓	✓	✓	✓	
AQUATOP 2600-2X					✓



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PRODUCTS OVERVIEW & APPLICATION GUIDE

Application Overview	Colour	Gloss Level %	Tinting	Function & Features (Quality Characteristics)	Type of application			
					Spray	Flowcoat	Dipping	Brush
Wood Preservative								
AQUA PRIMER 2907-02	Translucent	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Exterior use (use classes 2-3) as defined in BS/EN 335-1. Protects against wood destroying and discolorating fungi. Fulfill the performance requirements of EN 599-1. Use biocides safely. Always read the label and product information/ technical/safety data sheet before use. 	■	■	■	■
Primer / Intermediate / Sealer								
ANTISTAIN AQUA 2901-00	White & Antique White	n.a.	Factory tinted	<ul style="list-style-type: none"> Waterborne primer typically applied on hardwood and softwood for exterior windows and doors. Antibled, reduces surface discoloration caused by tannins in hardwood. 	■			
ANTISTAIN AQUA 2901-12	Colourless		n.a.					
ANTISTAIN AQUA 2901-63	Colourless	n.a.	n.a.	<ul style="list-style-type: none"> Waterborne primer typically applied on hardwood for windows and doors. Reduces surface discoloration caused by tannins in hardwood, a subsequent treatment with one layer of ANTISTAIN AQUA 2901-12 is required. 	■	■		
ANTISTAIN AQUA 2901-80	White	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Waterborne primer for new wood designated for exterior use. Reduces surface discoloration caused by tannins in hardwood. 			■	
ANTISTAIN AQUA 3101-01	Colourless	n.a.	n.a.	<ul style="list-style-type: none"> Antibled pre-treatment for high tannin wood species. A waterborne primer that reduces discoloration caused by migration of water soluble dye stuff from the wood. 			■	
TEKNOSHIELD 4005 (BASE T)	Translucent	n.a.	Teknocolour; Teknoshade	<ul style="list-style-type: none"> Treatment on wooden exterior decking boards. Application on softwood. Brings out the natural look of the wood. 	■	■	■	
TEKNOSEAL 4002-00	Colourless	n.a.	n.a.	<ul style="list-style-type: none"> Waterborne industrial sealer for the treatment of MDF/HDF exterior grade for windows and doors. Inhibits water/humidity ingress and provides dimensional stability. 	■			
TEKNOSEAL 4002-10 TS 0050	Clear							
Topcoat								
AQUATOP 2600-21 / 23 / 24	21 : White & opaque 23 : White & opaque 24 : White & translucent	Semi-matt Semi-matt Semi-gloss	21: Teknocolour 23: Teknocolour/ 24: Teknocolour; Teknoshade	<ul style="list-style-type: none"> Can be applied on pre-treated substrates such as softwood, hardwood, Accoya, modified wood, HDF and MDF. Highly versatile, robust and easy to use topcoat, which typically is used for exterior windows, doors, shutters, conservatories or claddings. Exterior durability of coating systems including AQUATOP 2600 is typically documented according to EN 927-2. 	■			
AQUATOP 2600-60	Colourless	Matt	Teknocolour	<ul style="list-style-type: none"> Can be applied on pre-treated substrates such as hardwood, softwood, and modified wood. For all types outdoor exposed wooden objects such as cladding boards, conservatories, doors, windows and window shutters. Contains extra UV absorbers to maximize the coatings exterior durability. Depending on the wood species, the appearance may become darker or lighter over time. Exterior durability of coating systems including AQUATOP 2600 is typically documented according to EN 927-2. 	■			
DRYWOOD WOODSTAIN VV MATT	Translucent and semi-opaque	Matt	Teknocolour	<ul style="list-style-type: none"> Waterborne low film forming product for non-dimensional stable applications such as exterior wood constructions, wood sidings, cladding and sheds. Good penetration and adhesion on natural wood species, and forms a thin film layer in two or more layers. The product is water-repellent and does not chalk. KOMO Certificate BRL 0821 (33296). 	■			■
DRYWOOD WOODSTAIN VV SG		Semi-matt						
TEKNOCLAD 3370-22	White & opaque	Semi-matt	Teknocolour	<ul style="list-style-type: none"> Waterborne industrial primer, intermediate and topcoat. For exterior wooden cladding with good anti-blocking properties. Suitable for all hardwood, softwood, modified wood and non-durable hardwood. 	■			
Wood Stain								
WOODEX AQUA CLASSIC	Translucent	n.a.	Special colours	<ul style="list-style-type: none"> Waterborne, hybrid binder based, non-film-forming transparent wood stain for outdoor use. Protects wooden surfaces from moisture, soiling and when tinted from UV radiation of the sun. Colour chart is available. It is not recommended to use untinted. 	■			■
End Grain Sealer								
DRYWOOD KOPSE SEALER	Translucent and white	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Excellent sealing properties, very easy to apply in high layer thicknesses. Can penetrate into the wood and dries very quickly. Excellent elasticity and high durability Good adhesion, UV blocking and recoatability properties. 	■			■
TEKNOSEAL 4000-00	Colourless	n.a.	n.a.	<ul style="list-style-type: none"> Aqueous product for sealing of end grain of new wood designated for exterior use such as windows and doors. Use to close end grains at both soft and hardwood wood species. 				■

N.B. This product information does not replace the Technical Datasheets (TDS). Please read the current TDS before using the products.

GET EXPERT ADVICE FROM TEKNO

Teknos believes the key to a long and trouble-free service life of exterior coatings lies in selecting the optimum coating system for the end use, specifying exposure conditions, and choosing products tailored to the manufacturing process.

You can count on us as a sustainable coating solution partner to get sound advice. Our Teknos Sales Representatives are always ready to support you in designing your optimal coating solution and application system.

WE MAKE THE WORLD LAST LONGER

Teknos is a global coatings company with operations in more than 20 countries in Europe, Asia, and the USA. We offer a wide range of paints and coatings for the manufacturing industry, building professionals and consumers.

We strive, in every possible way, to help our customers find the ideal solution for their particular purposes. Utilizing thorough research as well as feedback from various market areas, we continuously develop our product range to ensure the best possible customer satisfaction. Combined with our wide knowledge and history of providing industry-leading quality for decades, we are confident in our product range's ability to solve any coating challenge, in any specific situation.

We have a strong focus on environmental issues to ensure we meet, and even exceed, the diverse needs of today. Teknos wants to make the world last longer by providing smart, technically advanced paint and coating solutions to protect and prolong. Teknos always works in close cooperation with its customers. Teknos was established in 1948 and is one of Finland's largest family-owned businesses.

For further information, visit www.teknos.my.