



**PRODUCT OVERVIEW AND APPLICATION GUIDE
FOR INDUSTRIAL WOOD COATINGS**

TEKNOS IS A GLOBAL COATINGS COMPANY

20+ COUNTRIES

In Europe, Asia and the USA
+ a global reach through an extensive distribution network



11 PRODUCTION COUNTRIES

- Finland
- Denmark
- Sweden
- Poland
- Germany
- Russia
- Liechtenstein
- The Netherlands
- China
- **Malaysia**
- The USA



Developing and producing

WB & UV
coatings solutions

**GLOBAL SUPPORT –
LOCAL PRESENCE**

Strategy, with strong growth target



TEKNOS MALAYSIA, TO SUPPORT YOUR BUSINESS EXPANSION PLAN

A wholly owned subsidiary of the Teknos Group, the Malaysian office and production plant under the company name of **Teknos (M) Sdn. Bhd.** is located at Pasir Gudang, Johor, Malaysia. The company was established in 1997 under Malaysian Laws.

Teknos Malaysia has been set up as the regional manufacturing hub to supply solutions and products to Asia-Pacific market, which forges a close collaboration with its sister company Teknos China (Shanghai Treffert Special Coatings Co., Ltd).

Teknos Malaysia has an undivided focus on the development, production and distribution of environmentally sound high-performance industrial coatings that comply with international standards.

The industrial wood coatings product range includes but not limited to waterborne, UV and hydro-UV coating systems by using machine, manual (brush), roller, curtain and/or spray for:

- Exterior windows, facades, doors
- Interior furniture, fixtures and fittings
- Flooring, wood, vinyl, laminate, epoxy
- Doors interior and mouldings
- Claddings, thin boards and panels



OUR PROMISE TO OUR CUSTOMERS

CLOSE TO CUSTOMERS

While the structure of the company has evolved to support both the growth strategy and current customer needs, our values have remained very much the same. As a privately-owned family company Teknos believes in systematic work, long-term planning and timely execution.

The founders of Teknos were technically oriented professionals – hence there is every reason to claim that industry-driven product properties and overall quality awareness have been rooted deep in the company culture. Innovative product development continues to be one of the cornerstones for Teknos. Systematic research plays a key role in ensuring high product quality and best possible customer satisfaction.

- Technically superior surfaces
- Unique technical service
- Reliable supply
- Consistent quality
- Local presence

OUR VALUES GUIDE OUR OPERATIONS

Teknos' values are the influence behind all our operations, including our business practices as well as both internal and external communications.

Creativity

While creative thinking is particularly emphasised in research and development, it also manifests itself throughout the company. Creativity becomes visual in the way we respond to the evolving customer needs, both when it comes to technical properties and customer service.

Persistence

The determination to discover the best possible solution for every customer need is visible in our long-term partnerships. We are committed to constantly improving our expertise and performance by working in several long-term development projects both inside the company as well as helping the customers in refining their processes.

Fairness

All customers, personnel, and partners are treated equally and with respect in accordance with the legislation of each country. This is reflected by our honesty and the way we keep our promises. Our knowledge and experience are openly shared with our employees.

The keys to added value

We aim to fulfil our vision of being a sustainable coating solutions provider close to our customers by focusing on developing industry-driven products and excellent technical service that are able to meet the evolving customer requirements.

To achieve all that, we pay close attention to the versatile needs in our markets. By being always close to our customers, we are able to deliver the same added value everywhere we operate.



Paula Salastie
Chief Executive Officer

OUR SUSTAINABILITY FOCUS AREAS

Teknos Treffert is highly committed to contribute towards the protection of the planet. Its sustainability program aims to create sustainable long-term value for all stakeholders including its customers, employees, suppliers and society-at-large by using resources more efficiently, protecting the environment and the safety and health of its employees.

Sustainable solutions and services

For Teknos, sustainable solutions and services do not only mean complying with regulations and legislations, but also continuously developing and offering competitive products, technologies and services that meet customers' needs by using fewer or more sustainable resources and materials as well as developing coating products with no or low VOC content and increasing the use of renewable and secondary raw materials in all its paints and coatings.

Responsible operations and supply chain

We strive for being a responsible company within our entire value chain, from procurement of raw materials to the manufacturing and delivery of the products to our customers on time and safely. We invest constantly in our manufacturing facilities, implement Lean throughout the company and seek innovative technologies to improve safety and to minimize the environmental impact of our operations and activities.

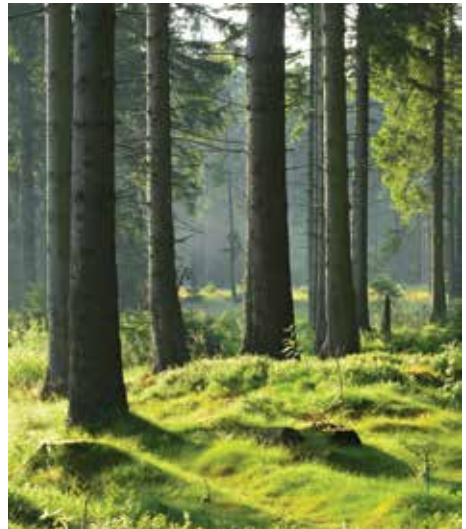
We measure and monitor the sustainability impacts through our Code of Conduct, supplier and internal audits, our Supplier Code of Conduct, procurement policies and client and employee feedback.

People development

Our commitment to people is our foundation for succeeding now and in the future. By developing our employees' competences and skills, attracting the best talents and creating an environment in which ideas and initiatives flourish, we are sure we can create long-term success for our people and our business.

Future generations

Being a family-owned company, continuity is utterly important to us, and it affects all our actions. We want to make choices, which bear to the next generations to come and to build a company, which the future generations will be proud to lead and be a part. We aim to support entrepreneurship education and thinking in the society and to invest in local communities.



COATING SOLUTIONS FROM TEKNOS

We are on our mission to make the world last longer by providing smart, technically advanced paint and coating solutions to protect and prolong.

Our philosophy at Teknos is straightforward. We believe the optimum combination of timber selection, joinery design, process control and appropriate coating system is the key to extending performance and service life. Our products are designed to meet a wide range of process and end-use requirements and to work together in compatible systems which resist rain, sun, heat and cold. They are easy to maintain, and complement the function and style of exterior and interior wood products.

Teknos coatings are formulated to keep your products looking their best year after year, resisting the elements, maintaining appearance and value. Just as important, they are designed for application convenience and efficiency regardless of the technique used.

Teknos remains at the forefront of environmentally compatible, high performance systems. In addition to environmental aspects, overall cost efficiency i.e. consumption per unit and recyclability have become increasingly important in the wood industry's surface coating process, further encouraging Teknos to develop competitive and innovative solutions.

Today, Teknos offers a comprehensive range of paints and coating solutions, manufactured to fully comply with international standards, for industrial, professional and household painters.

INTERIOR JOINERY

All our coatings have been created to provide a high-quality finish with exceptional resistance. They meet wide end-use requirements and support a range of processes from roller coating, curtain coating and vacuumat to horizontal and vertical spraying.



EXTERIOR JOINERY

We provide an extensive range of protective coatings, including fire-retardant coatings. Our high performance products have been developed to help cladding withstand the harshest climates and protect timber from UV light, rain, humidity, cold, and heat.



FOR EVERY NEED AND PURPOSE FOR WOOD

Innovative coating solutions for the wood-working industry is to protect and enhance the natural beauty of timber.

Teknos industrial coatings are perfect for wood windows and doors, cladding, garden furniture, balconies and playground equipment. They are available in translucent and limitless selection of opaque colours, all of which are supplied in single component, waterborne formulations.

The needs of our customers vary greatly and we strive, in every way possible, to help our customers find the ideal solution for their particular purposes and to guarantee the best possible service to everyone.

Our strong product development benefits all customer segments, ensuring uncontested performance and cost-efficiency at all times.

INDUSTRIAL PAINTS & COATINGS

- Industrial wood
- Metal wet paints
- Powder coatings

Our target customer groups:

- Machines / Transport / Automotive
- Construction projects



- Distributors
- Professional
- Influencers

- Exterior windows, facades, doors
- Interior doors and mouldings
- Interior furniture, fixtures, fittings
- Flooring, wood, vinyl, laminate, epoxy
- Cladding, thin boards and panels



INNOVATIVE COATING SOLUTION EXTERIOR & INTERIOR JOINERY

From interior boards and panels, interior doors to mouldings, our selection of interior primers, stains and topcoats will complement your quality range of interior joinery products.

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

Teknos joinery products include:

- Wood preservatives and combi-primers to preserve and prime the wood.
- Primers to fill the wood's pores and provide an anchor for intermediates or topcoats.
- Specialist primers and intermediate coats to block and inhibit tannin staining.
- End-grain and construction joint fillers to protect the most vulnerable areas of exposed joinery.
- Intermediate products to fill the pores of coarser wood species, providing a more uniform surface for top coating.
- Flexible, micro porous topcoats for an attractive, durable yet flexible surface.



EXTERIOR COATINGS FOR WINDOWS AND DOORS

Teknos coatings are also ideal for wood products. On timber faces, our formulations take into account the requirement of wood window manufacturers for coating hardness combined with protection against wood destroying, wood discolouring fungi and surface mould. At the same time our high quality binders keep yellowing and discolouring to a minimum – a key consideration for white or translucent finishes for wood products.

WOODEN WINDOWS, WINDOW SHUTTERS, CONSERVATORIES AND DOORS

Recommended Layer Construction

	Softwood	Hardwood
Translucent		
Topcoat ¹	AQUATOP 2600	AQUATOP 2600
Intermediate		AQUAFILLER 6500
Primer	AQUAPRIMER 2900-02	AQUAPRIMER 2900-02
Wood preservative ²	TEKNOL AQUA 1410-01/ TEKNOS AQUA 1410-99	TEKNOL AQUA 1410-01/ TEKNOS AQUA 1410-99
Test Standard	EN 927-2/3/5	EN 927-2/3/5

Opaque		
Topcoat ¹	AQUATOP 2600	AQUATOP 2600
Intermediate		ANTISTAIN AQUA 2901
Primer	ANTISTAIN AQUA 5200	ANTISTAIN AQUA 2901
Wood preservative ²	TEKNOL AQUA 1410-01	TEKNOL AQUA 1410-01
Test Standard	EN 927-2/3/5	



¹ Can be tinted in selected translucent/opaque colours.

² Use biocides safely. Always read the label and product information before use.

EXTERIOR COATINGS FOR TERRACE DECKING/GARDEN FURNITURE

TERRACE DECKING

Timber decking creates a natural and attractive connection between house and garden, make a valuable addition to home's beauty and is the stage for outdoor life. Decks are exposed to sun, rain, hail and snow, which can result in cracking of wood and water ingress. Teknos coating systems enhance the natural beauty of wood but also protect timber from humidity, dirt, UV light, cracking and colour fading which enable that decking will be enjoyed for years to come.

Recommended Layer Construction

	Hardwood and pre-treated softwood	Non-durable softwood
For translucent		
Colour treatment ¹	WOODEX AQUA CLASSIC	WOODEX AQUA CLASSIC
Wood preservative ²		AQUA PRIMER 2907-02 ³



GARDEN FURNITURE

Teknos coating systems on garden furniture bring out the natural beauty of the wood, and return a surface with a highly natural appearance and enhanced durability properties. The deep penetration of the coatings and excellent adhesion properties in combination with high grade UV protection and high degree of water repellency result in a long lasting surface treatment, which as test have shown, are able to withstand the demanding conditions of both tropic and sub tropic climate zones.

Recommended Layer Construction

	Hardwood	Hardwood low film build
	Opaque	Translucent
Topcoat ⁴	AQUATOP 2600	AQUATOP 2600
Primer	ANTISTAIN AQUA 2901-00 (2X)	ANTISTAIN AQUA 2901-62 (2X) ⁵



¹ Only available in selected colours.

² Use biocides safely. Always read the label and product information before use.

³ BPR authorized in several EU countries, so prior to start using the product, please contact your local Teknos office.

⁴ Can be tinted in selected translucent/opaque colours.

⁵ Can be tinted in selected translucent colours depending on the BPR approval in several EU countries.



INTERIOR WOOD COATINGS FOR DOORS

PRIMARY™

Our "Primary" coating system forms an essential foundation to final lacquering that satisfies all technical and physical requirements of the door industry - an optimised system with an attractive cost-performance ratio.

PRIMED FLAT DOORS

Recommended Layer Construction

For industrial roller application on MDF/HDF/Plywood*

Waterborne basecoat / topcoat	15g/m ²
Waterborne basecoat / sealer	15g/m ²
Waterborne primer	30g/m ²
Waterborne filler	30g/m ²

Adhesion cross hatch removal
ASTM D3359 : ≥ 4B

Cross cut/hatch & removal
EN ISO 2409 : Grade 0 - 1

Tear resistance
DIN 53151 : Pass

Stacking
1.5 tons 24 hours : Pass

PRIMED TEXTURED DOORS

Recommended Layer Construction

For industrial roller application on MDF/HDF/Plywood*

Waterborne primer	30g/m ²
Waterborne filler	30g/m ²

Adhesion cross hatch removal
ASTM D3359 : ≥ 4B

Cross cut/hatch & removal
EN ISO 2409 : Grade 0 - 1

Cold block
100psi; ≥ 1 hour

* Substrates must be more than 3mm; sanded.

Disclaimer: Results may vary depending on environmental circumstances.

ROBUST™

Our "Robust" coating system offers additional performance to meet stringent requirements in the production and lacquering process with an attractive cost performance ratio. A system that offers endurance qualities and, thereby, complies with all specifications.

PRIMED FLAT DOORS

Recommended Layer Construction

For industrial roller application on MDF/HDF/Plywood*

Waterborne basecoat / topcoat	10g/m ²
Waterborne basecoat	10g/m ²
Waterborne sealer	10g/m ²
UV sanding sealer	15g/m ²
UV adhesion sealer	15g/m ²
Waterborne primer	30g/m ²
Waterborne filler	30g/m ²

Adhesion cross hatch removal
ASTM D3359 : ≥ 4B

Cross cut/hatch & removal
EN ISO 2409 : Grade 0 - 1

Tear resistance
DIN 53151 : Pass

Stacking
1.5 tons 24 hours : Pass

Wet paper towel
Pass

PRIMED TEXTURED/PROFILED DOORS

Recommended Layer Construction

For industrial roller/spray application on MDF/HDF*

Waterborne primer	80g/m ²
Waterborne filler	80g/m ²

Adhesion cross hatch removal
ASTM D3359 : ≥ 4B

Wet block
Pass

Hot block plate
>100 °C; 100psi; ≤ 6 mins

Cold block
100psi; ≥ 1 hour

* Substrates must be more than 3mm; sanded.

Disclaimer: Results may vary depending on environmental circumstances.

INTERIOR WOOD COATINGS FOR FURNITURE

PANELS

Our coatings accomplish several functions, such as for aesthetic purpose, protection to the surface from stain, abrasion resistance, resistance to moisture, thus overall protection to the wood.

Recommended Layer Construction

For industrial roller application on MDF/HDF/Plywood*

UV topcoat	10g/m ²
UV sealer	20g/m ²
Waterborne printing ink	6g/m ²
Waterborne sealer	15g/m ²
Waterborne basecoat	20g/m ²
UV filler	15g/m ²
Waterborne filler	50g/m ²

Adhesion cross hatch removal ASTM D3359 : ≥ 4B
Cross cut/hatch & removal EN ISO 2409 : Grade 0 - 1
Tear resistance DIN 53151 : Pass
Stacking 1.5 tons 24 hours : Pass
Chemical resistance EN 438-2 / ASTM 3023 > 4

COMPONENTS

Our waterborne coating comes in two options: 1K or 2K. We also have the latest technology in Waterborne-UV coating system. These selections provide greater option to users to meet demand in terms of application process and performance.

Waterborne/Waterborne-UV system

Recommended Layer Construction

For industrial roller application on MDF/HDF/Plywood*

Waterborne/Waterborne-UV topcoat	20g/m ²
Waterborne/Waterborne-UV sealer	120g/m ²
Waterborne/Waterborne-UV primer	120g/m ²

Adhesion cross hatch removal ASTM D3359 : ≥ 4B
Cross cut/hatch & removal EN ISO 2409 : Grade 0 - 1
Tear resistance DIN 53151 : Pass
Stacking 1.5 tons 24 hours : Pass
Chemical resistance EN 438-2 / ASTM 3023 > 4

* Substrates must be more than 3mm, sanded.

Disclaimer: Results may vary depending on environmental circumstances.

PANELS

Pigmented wood finishes are available in a wide variety of formulations and colour options, including full-hiding opaque colours. The coating system for opaque or solid colours; UV filler or primer can be matched to any colours either by a master colour sample or international colour chart like RAL and Pantone. Then, a clear sealer and topcoat are applied to finish the coating system.

Pigmented UV system

Recommended Layer Construction

For industrial roller application on solid wood/MDF/HDF*

UV topcoat clear	10g/m ²
UV sealer clear	20g/m ²
UV sealer pigmented	60g/m ²

Adhesion cross hatch removal
ASTM D3359 : ≥ 4B

Cross cut/hatch & removal
EN ISO 2409 : Grade 0 - 1

Tear resistance
DIN 53151 : Pass

Stacking
1.5 tons 24 hours : Pass

Full UV system

Recommended Layer Construction

For industrial roller application on solid wood/MDF/HDF*

UV topcoat clear	15g/m ²
UV sealer clear	30g/m ²
UV filler clear	40g/m ²
UV adhesion sealer	15g/m ²

Adhesion cross hatch removal
ASTM D3359 : ≥ 4B

Cross cut/hatch & removal
EN ISO 2409 : Grade 0 - 1

Tear resistance
DIN 53151 : Pass

Stacking
1.5 tons 24 hours : Pass

* Substrates must be more than 3mm, sanded.

Disclaimer: Results may vary depending on environmental circumstances.

INTERIOR WOOD COATINGS FOR FLOORING

Supermatt or high gloss floors, with or without open pores, vintage or modern designs, whatever your needs, we have a finishing solution. With oil-based, UV and waterbased products we supply finishing solutions for all your flooring requirements, from on-site to industrially applied.

Standard for residential

Recommended Layer Construction

For industrial roller application on solid wood/engineered flooring

HPC anti scratch topcoat	15g/m ²
UV sealer sandable	40g/m ²
HPC duro sealer	25g/m ²
UV filler	20g/m ²
PU-UV insulation coat	15g/m ²

Taber abrasion ASTM-D 4060 : ≥ 550
Resistance to scratching EN 438-2.25 : ≥ 2.0N (Grade 3)
Impact resistance EN 438-2.20 : ≥ 4N
Linear scratch Hamberger plane : ≥ 20N
Cross cut adhesion EN ISO 2409 : 0

Standard Commercial

Recommended Layer Construction

For industrial roller application on solid wood/engineered flooring

HPC anti scratch topcoat	15g/m ²
UV sealer sandable	40g/m ²
HPC duro sealer	50g/m ²
UV filler	20g/m ²
PU-UV insulation coat	15g/m ²

Taber abrasion ASTM-D 4060 : ≥ 1500
Resistance to scratching EN 438-2.25 : ≥ 2.0N (Grade 3)
Impact resistance EN 438-2.20 : ≥ 4N
Linear scratch Hamberger plane : ≥ 20N
Cross cut adhesion EN ISO 2409 : 0

Disclaimer: Results may vary depending on environmental circumstances.

ULTRAMATT™

Back to Nature

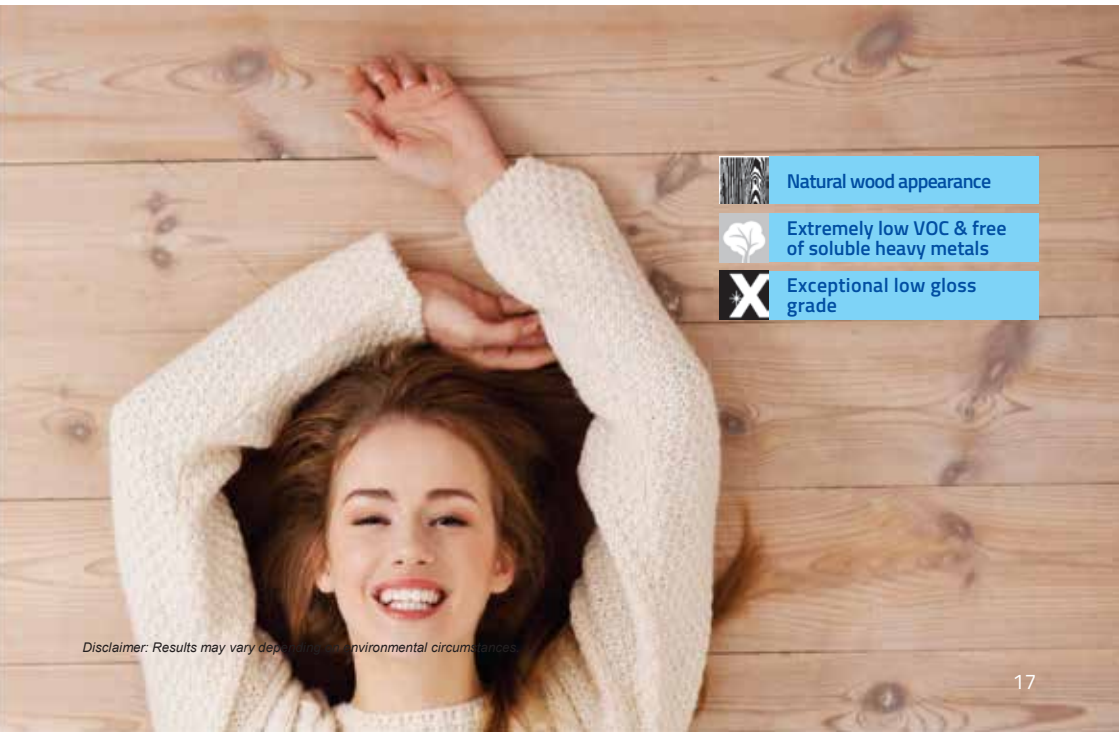
Our latest developed ULTRAMATT™ coating system combines the best of both worlds: a natural wood appearance with durable protection and easy maintenance.

Features and Benefits

The ULTRAMATT™ finish for flooring offers the most natural look available in the market. It is a visual equivalent to oil with all the features of a fully finished surface.

Our unique formulation suits both basic and sophisticated finishing lines. The different coating layers ensure high quality resistance and makes your flooring durable and long-lasting.

This special coating system complies with all regulatory health requirements thanks to its low VOC characteristics and no heavy metal content. Healthy living is now manageable with the combination of natural appearance and invisible protection.



Natural wood appearance



Extremely low VOC & free of soluble heavy metals



Exceptional low gloss grade

DIGITAL PRINTING

Colourful, unique, artistic reproduction of photographs have a profound impact on our lives. They transform our environment, shape our mood and give people the opportunity to express their individuality. In recent years, the trend towards digitally printed surfaces has grown rapidly especially in the floors and furniture sectors.

Features and Benefits

The advantage of digital printed surfaces in terms of flexibility and planning reliability compared to the conventionally used decorative paper is distinguished. Small production volumes down to lot size one can be economically produced. Digital printing allows changing decorative patterns and colours online, without production interruption and without wasting production time for cleaning/set up.

Applications and System

Printing the desired image directly onto the waterborne or 100% solid UV pre-coated panel surface or onto the bare substrate. On top of the print 100% solid UV curable clear coating is applied to protect the print, determines the visual appearance and the performance.

Our unique application offers powerful primer solutions that guarantee a perfect adhesion both to the respective substrate and to the applied printing ink. There is no limit to the imagination in terms of appearance from low-matt to high-gloss and performance: abrasion, scratch resistance, anti-fingerprint.

Full UV System on MDF

- Shorter line
- Harder finishing
- High water/steam resistance
- Cross linking of all coating layers
- Lower waste production



Hybrid Waterborne - UV system on MDF

- Lower energy cost of steam is already available
- Lower coating cost/sqm

DIRECT PRINTING

The great opportunity to provide maximum product diversity with haptical and optical features appearance of the printed surface. No more gluing of décor paper but print it directly on wood!

Features and Benefits

The easy, glue-free application process enables a rapid deployment of both new floors and replacement floors. The 'green' advantage is that the direct printing coating material is formaldehyde free. This product also offers the advantage of versatility to quickly react to market trends for new colours/decors. Widen the selection between a wide variety of wood textures and hues and allows for a uniform look during production. The colours mesh seamlessly with a host of exciting interior decor themes.



Applications and system

Most Direct Printing lines have at least 2 application units for the basecoat and two for the ink. As a result, colour/décor changes can be prepared during production of another décor. Surface effects such as gloss, texture, pore or 3-D embossing can be easily adjusted to meet specific customer requirements without causing production downtime.

Hybrid Waterborne - UV System on MDF

- Shorter line
- Lower waste production
- Lower coating cost/sqm
- Possibility to use HDF thicknesses of 5.5 to 6.5mm for flooring => substantial material cost savings

All our special coating systems can be customised to meet your specific requirements. Please contact your local sales representative for more information.

Application Overview		Substrate			Gloss Level %	Tinting	Function & Features (Quality Characteristics)	Type of application					
		MDF	Veneer	Solid Wood				Roller	Curtain	Spray	Flowcoat/ Dipping	Brush	
Stains	Waterborne, Oil-Based												
	WOODEX AQUA CLASSIC			■	n.a.	Special colours	<ul style="list-style-type: none"> Protects wooden surfaces from moisture and deterioration and UV from the sun when tinted A water-borne, oil-based, non-film-forming transparent wood stain. UV protection only when tinted Colour chart is available 			■		■	
Preventive Treatment	Wood Preservative												
	TEKNOL AQUA 1410-01			■	n.a.	n.a.	<ul style="list-style-type: none"> Protects against wood destroying and wood discolorating fungi Fulfil the performance requirements of EN 599-1 Minimizes patchiness in subsequent translucent surface treatments A colourless waterborne industrial wood preservative ready for use 			■	■	■	
	TEKNOL AQUA 1410-99			■	n.a.	n.a.	<ul style="list-style-type: none"> Protects against wood destroying and discolorating fungi as well as wood boring beetles and termites Fulfil the performance requirements of EN 599-1 Minimizes patchiness in subsequent translucent surface treatments A colourless waterborne industrial wood preservative ready for use 			■	■	■	
	AQUA PRIMER 2907-02			■	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Protects against wood destroying and discolorating fungi Fulfil the performance requirements of EN 599-1 Available as clear or in translucent colour shades 				■	■	
Waterborne Products	Primer												
	AQUAPRIMER 2900-02			■	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Available in colourless or translucent colour shades 				■		
	ANTISTAIN AQUA 5200-00/01			■	n.a.	Factory tinted	<ul style="list-style-type: none"> Minimises yellowing from knots and softwood with a large amount of heartwood Available as opaque white or antique white 			■	■		
	ANTISTAIN AQUA 2901-00/ 02/52/62			■	n.a.	Factory tinted	<ul style="list-style-type: none"> Reduces surface discoloration caused by tannins in hardwood Available in opaque white, clean white and colourless 			■	■		
	Intermediate												
	AQUAPRIMER 2900-02			■	n.a.	n.a.	<ul style="list-style-type: none"> Pore-filling properties when treating hardwood Available in clear 					■	
	Topcoat												
	AQUATOP 2600-20/21/22/ 23/24/26			■	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Minimises yellowing from knots and softwood with a large amount of heartwood Available as opaque white or antique white 			■			
ANTISTAIN AQUA 2901-00/ 02/52/62			■	n.a.	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Reduces surface discoloration caused by tannins in hardwood Available in opaque white, clean white and colourless 			■				

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

APPLICATION GUIDE: EXTERIOR WOOD COATINGS

Application Overview		Coating		Substrate			Gloss Level %	Tinting	Function & Features (Quality Characteristics)	Type of application				
		Interior	Exterior	MDF	Veneer	Solid Wood				Roller	Curtain	Spray	Flowcoat/ Dipping	Brush
Waterborne Products	Fire-retardant													
	NORDICA EKO 3330-03	■					semi-matt & semi-gloss	Factory tinted/ Onsite tinting	<ul style="list-style-type: none"> Water and acrylate based topcoat Excellent resistance to weathering Available in opaque shades 			■		
	TEKNOSAFE 2407	■	■				n.a.	n.a.	<ul style="list-style-type: none"> Waterborne intumescent paint primer Intumescent, clear lacquer applied on any wood based substrate Classified according to B-s1,d0 EN 13501-1 (SBI test) 			■		
	TEKNOSAFE 2467	■					n.a.	n.a.	<ul style="list-style-type: none"> Water-borne lacquer primer Classified according to B-s1,d0 EN 13501-1 (SBI test) 			■		
TEKNOCLEAR AQUA 1331-01	■					n.a.	n.a.	<ul style="list-style-type: none"> Available in clear topcoat Special designed version only to be used over TEKNOSAFE 2467. Classified according to B-s1,d0 EN 13501-1 (SBI test). 			■			

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

APPLICATION GUIDE: FIRE RETARDANT COATINGS

Application Overview	Substrate			Gloss Level %	Drying Time		Function	Features (Quality Characteristics)	Type of Application		
	MDF	Veneer	Solid Wood		IR Oven	UV Lamp			Roller	Curtain	Spray

Stains	Waterborne (WB) UV											
	471 - UV PU Insulation Coat	■	■		n.a.	1 min/ 60°C	n.a.		Promotes excellent adhesion and barrier effect avoiding penetration of reactive diluents from UV sealer into wood	■		
	Waterborne (WB) Stain											
281 - WB Stain	■	■		n.a.	1 min/ 60°C	n.a.			■			

UV Products	UV Sealer												
	661 - UV Sealer - low viscosity	■	■	■	n.a.	n.a.	SC 60-120ml FC 380 > ml	Sealing	Avoids air trap / bubbling, easy sanding, able to tint (<5%)	■			
	661 - UV Sealer - standard, easy sanding - standard, better clarity	■	■	■					■				
	661 - UV Sealer High Reactivity - standard - deep cure	■	■	■					■	Easy sanding, avoids monomer bleeding	■		
	661 - UV Sealer - transparent	■	■	■					■	High transparency	■		
	UV Basecoat												
	631 - UV Basecoat - white	■	■	■	n.a.	n.a.	SC 60-120ml FC 380 > ml	Colouring	Application grammage <20gsm Requires Gallium lamp curing	■			
	631 - UV Basecoat - black	■	■	■									
	631 - UV Basecoat - red	■	■	■									
	631 - UV Basecoat - red oxide	■	■	■									
	631 - UV Basecoat - yellow	■	■	■									
	631 - UV Basecoat - yellow oxide	■	■	■									
	UV Filler												
	611 - UV Filler - standard	■	■	■	n.a.	n.a.	SC 60-120ml FC 380 > ml	Filling	Standard with good filling property	■			
	611 - UV Filler - transparent	■	■	■					■	High transparency with good filling property	■		
	UV Topcoat												
	651 - UV Topcoat - standard	■	■	■	n.a.	n.a.	SC 60-120ml FC 380 > ml	Final coat	Good chemical resistance	■			
651 - UV Topcoat - anti-scratch	■	■	■	10 - 80%					Excellent scratch resistance	■			
651 - UV Topcoat Opti-roller - standard - good levelling & wetting - mirror finish	■	■	■	10 - 80%					Good levelling, wetting and surface performance Excellent transparency and levelling	■			
652 - UV Curtain Topcoat	■	■	■	10 - 80%					High gloss, high build, smooth finish	■			

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APPLICATION GUIDE: INTERIOR WOOD COATINGS

Application Overview	Substrate			Gloss Level %	Drying Time		Function	Features (Quality Characteristics)	Type of Application		
	MDF	Veneer	Solid Wood		IR Oven	UV Lamp			Roller	Curtain	Spray

Waterborne Products	Waterborne (WB) Filler											
	211 - WB Filler - standard	■	■	■	n.a.	1 min/ 60°C	n.a.	Filling		■		
	211 - WB Putty	■	■	■		1 min/ 60°C			Better filling and pumpable machine	■		
	Waterborne (WB) Basecoat											
	231 - WB Basecoat	■	■	■	n.a.	1 min/ 60°C	n.a.	Colouring		■		
	221 - WB Adhesive coat	■	■	■		1 min/ 60°C			Adhesion promoter	■		
	221 - Adhesive Promoter	■	■	■		1 min/ 60°C			Provide good adherence to UV topcoats	■		
	Waterborne (WB) Printing Ink											
	241 - WB Printing Ink	■	■	■	n.a.	1 min/ 60°C	n.a.		To be applied in heavy duty printing machine	■		■
	Waterborne (WB) Primer											
	274 - WB Spray Primer - standard	■	■	■	n.a.	1 min/ 60°C	n.a.	Priming	Fast drying, recoatable with water or solvent-based paint			■
	274 - WB Spray Primer - easy sanding	■	■	■		1 min/ 60°C			Recoatable with water or solvent-based paint			■
	274 - WB Spray Primer - better tannin blocking	■	■	■		1 min/ 60°C			Recoatable with water or solvent-based paint			■
	274 - WB Vacuum Primer	■	■	■		1 min/ 60°C			Primer for vacuum application			■
	Waterborne (WB) Sealer											
264 - WB Sealer clear	■	■	■	n.a.	1 min/ 60°C	n.a.	Sealer	Transparent			■	
Waterborne (WB) Topcoat												
254 - WB Topcoat clear	■	■	■	10, 20, 30, 40, 50, 80%	1 min/ 60°C	n.a.	Final coat	Transparent			■	
254 - WB Topcoat pigmented	■	■	■		20 & 60%			1 min/ 60°C	White pigmented			■

Other Products	Pigment Paste											
	WB Pigments white	■	■	■	n.a.	n.a.	Colouring	Mix with WB Stain and UV PU Insulation Coat			■	■
	WB Pigments black	■	■	■								
	WB Pigments organic oxide colour	■	■	■								
UV Pigments white	■	■	■	n.a.								
UV Pigments black	■	■	■									
UV Pigments organic oxide colour	■	■	■									
UV Pigment	■	■	■				Mix with UV products for solid colours			■	■	

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APPLICATION GUIDE: INTERIOR WOOD COATINGS

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.com.

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