

Koralan® Industrial Coatings



Mainz-Kastel residential tower



THE BEST FOR YOUR WOOD.

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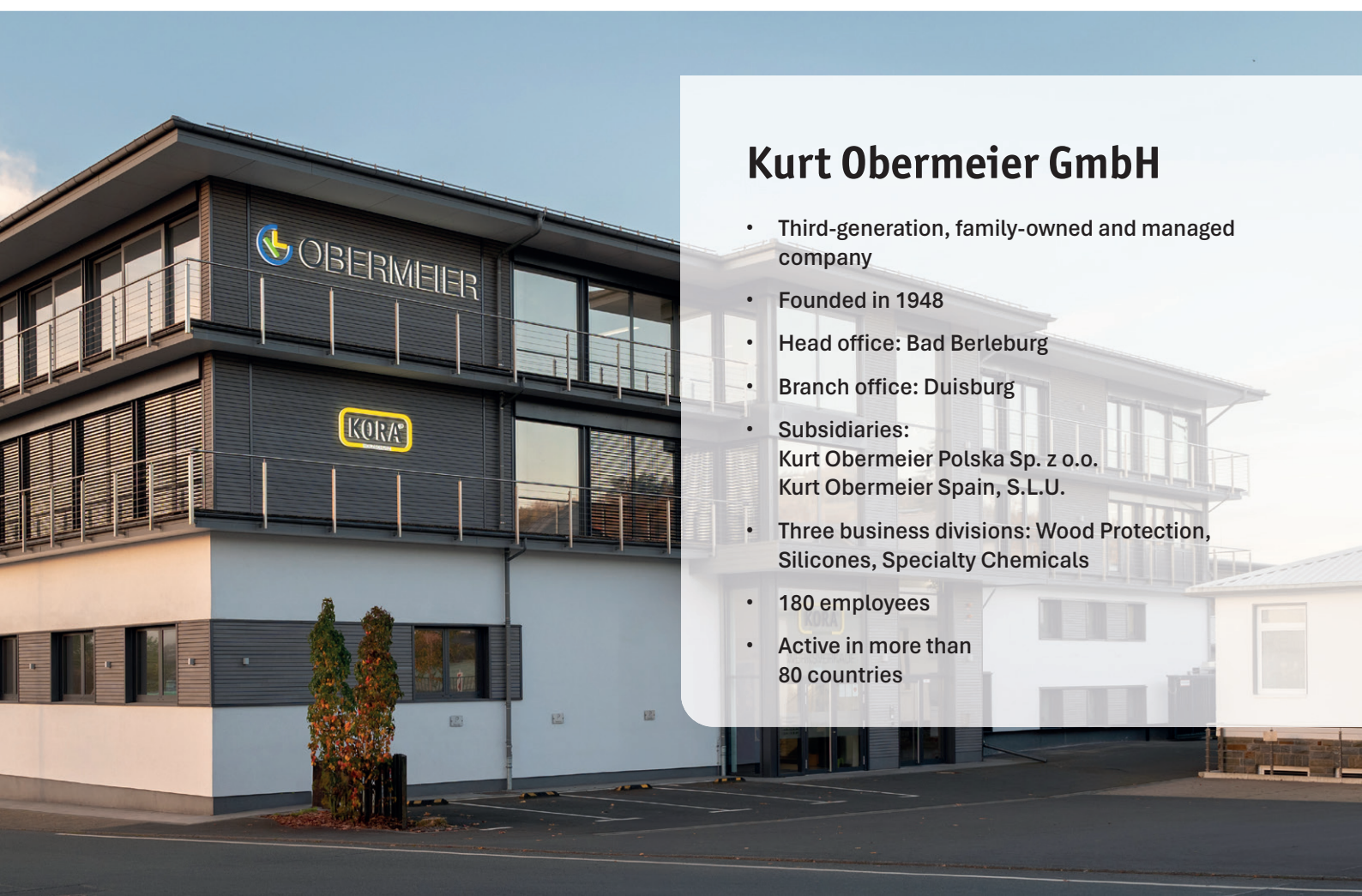
Jochen Obermeier
CEO, Kurt Obermeier GmbH

Wood is a material that combines tradition with a sustainable future. That is why wood protection has been one of the defining areas of our business for decades.

Under the KORA® Holzschutz brand, we develop high-performance solutions for industry and the skilled trades, with a comprehensive portfolio covering everything from impregnation and surface protection to professional renovation. Our focus is on reliable quality, practical solutions and a clear understanding of our customers' requirements.

What sets us apart is our technical expertise, the continuous development of proven solutions and our close relationships with our customers. On this basis, KORA® has grown to become an established name in professional wood protection, far beyond Germany and Europe.





Kurt Obermeier GmbH

- Third-generation, family-owned and managed company
- Founded in 1948
- Head office: Bad Berleburg
- Branch office: Duisburg
- Subsidiaries:
Kurt Obermeier Polska Sp. z o.o.
Kurt Obermeier Spain, S.L.U.
- Three business divisions: Wood Protection, Silicones, Specialty Chemicals
- 180 employees
- Active in more than 80 countries

Wood adds value

Wood is a building material for the future – with an outstanding environmental profile and a key role to play in sustainable construction. As a renewable resource, wood stores CO₂ throughout its entire life cycle, making an important contribution to climate protection. Effective, application-specific wood protection is essential to ensure the long-term use of locally sourced timber in exterior applications.

With high-performance wood protection systems, KORA® supports sustainable timber architecture, lays the foundation for durable structures, improves the resource efficiency of locally sourced timber and provides planning certainty for demanding projects.

As a member of the German Sustainable Building Council (DGNB), Europe's largest network for sustainable building, we underline our commitment to quality, responsibility and future-ready solutions for the construction and property sector. Our products are listed in the DGNB Navigator, while information on the relevant requirements of the German Sustainable Building Quality Seal (QNG) and the Assessment System for Sustainable Building (BNB) is provided transparently in our sustainability data sheets. In this way, we help planners and architects make well-informed decisions for sustainable building projects.



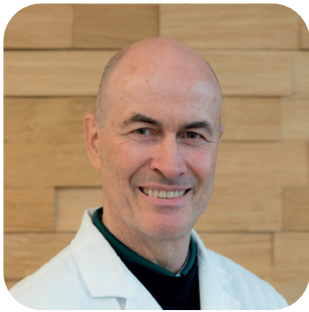
Mitglied der
DGNB
Deutsche Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council

Mehr zu
Qualität & Umwelt
bei Obermeier



Development driven by expertise and passion

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Dr. Stephan Ottens

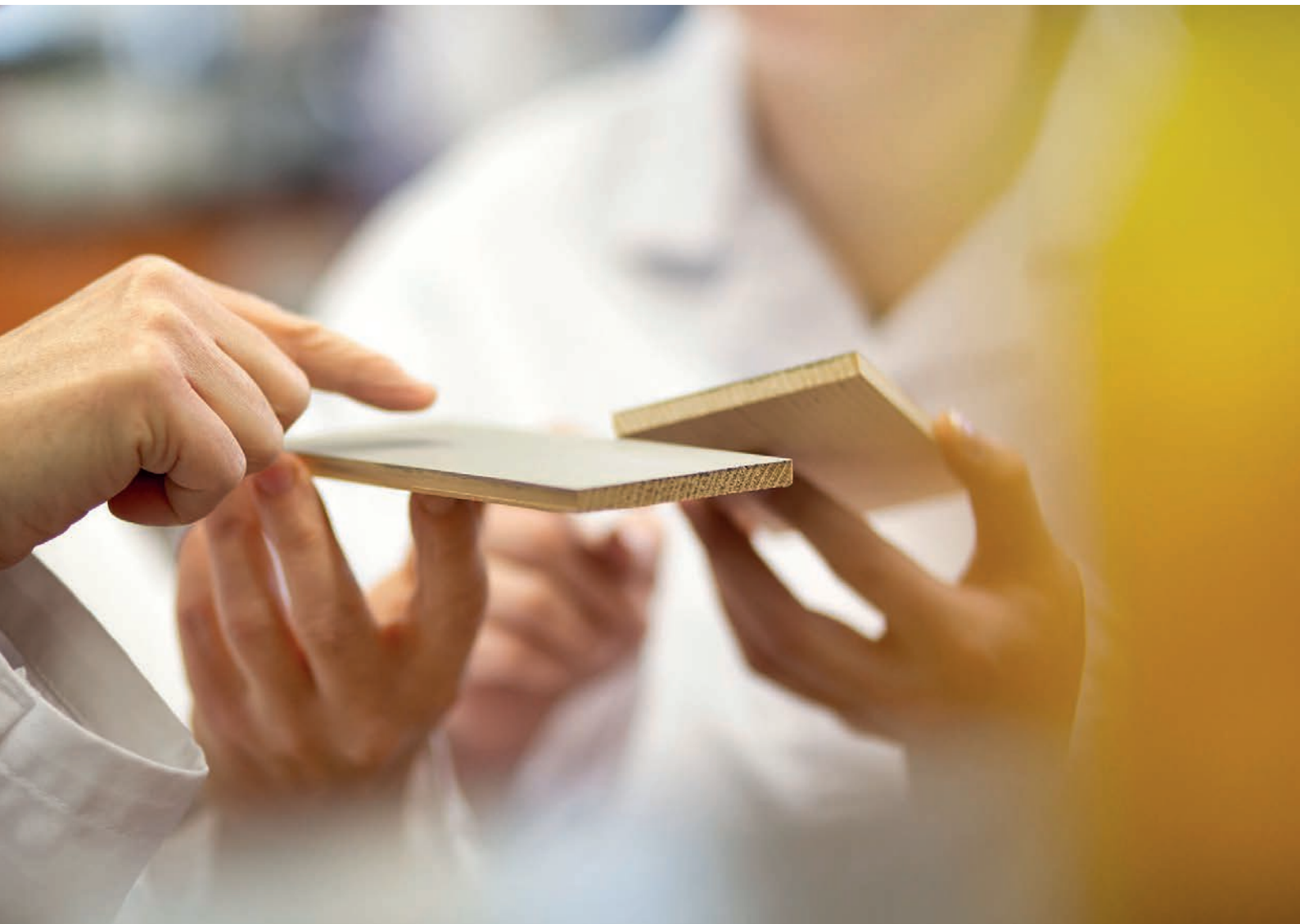
Head of
Technical Product Management
Surface Coatings Laboratory

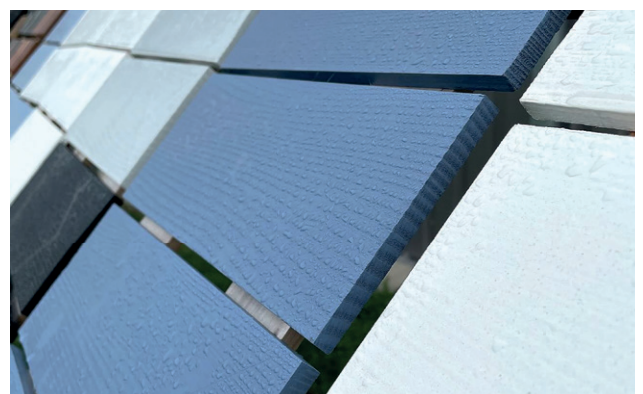
We are passionate about developing high-performance wood coatings for interior and, in particular, exterior applications.

Our products meet the highest technical standards and are optimally tailored to the needs and application methods of our customers in industry and the skilled trades.

In practice, the key is to combine a wide range of requirements in a single product. This calls not only for extensive experience, but also for a willingness to continually scrutinise and optimise our own results.

Every day, our highly skilled laboratory team develops innovative and sustainable product solutions. The requirements of renowned quality marks and certifications are always a key focus.





Powerful weather protection

Whether for façades, roof soffits, windows, doors, carports or fences – wherever exterior timber requires long-lasting protection combined with a high-quality finish, Koralan® ED 411 and Koralan® ED 418 are the ideal choice. These blocking-resistant, acrylic-based intermediate and final coatings are perfectly formulated for their respective application methods. They combine effective weather protection with excellent application properties and a satin finish.

Koralan® ED 411



Provides weather protection for exterior timber.

Ideal for hardwoods and softwoods requiring an opaque coating (e.g. façades, roof soffits, windows, doors, carports, fences).

Application methods: Brushing, rolling, spraying (Airless, Airmix)

Colour shades: White. RAL/NCS and custom colours.

- ✓ Opaque
- ✓ Fast-drying
- ✓ Elastic
- ✓ Satin finish
- ✓ Good flow properties
- ✓ Effectively blocks wood constituents from bleeding
- ✓ Blocking resistant according to DIN EN 927-10



The coating film is protected against blue stain and mould



Water-repellent



UV protection

Koralan® ED 418



Provides weather protection for exterior timber.

Ideal for exterior non-dimensionally stable and limited-dimensionally stable hardwoods and softwoods requiring an opaque coating (e.g. sawn and planed timber).

Application methods: Vacumat®, automatic coating machine, spray system

Colour shades: White. RAL/NCS and custom colours.

- ✓ Opaque
- ✓ Fast-drying
- ✓ Elastic
- ✓ Satin finish
- ✓ Good flow properties
- ✓ Effectively blocks wood constituents from bleeding
- ✓ Blocking resistant according to DIN EN 927-10



The coating film is protected against blue stain and mould



Water-repellent



UV protection



Effective protection against dirt and moisture

Whether for interior or exterior applications, the acrylic-based wood scumbles in the Koralan® EL 400 series provide reliable protection for timber such as glulam. They effectively protect against dirt and moisture while offering excellent ease of application.

Koralan® EL 400 series



- ✓ Dirt-repellent
- ✓ Low blocking
- ✓ Fast-drying
- ✓ Low odour, odourless after drying
- ✓ Paintable, coatable
- ✓ Easy to process

For timber/glulam used in interior and exterior applications requiring protection against dirt or moisture.

Application methods: Brushing, spraying (Airless, Airmix, Aircoat), rolling

Colour shades: Colourless. Other shades on request.



The coating film is protected against blue stain and mould*



Water-repellent



UV-Schutz

* Applies to Koralan® EL 410, Koralan® EL 411 and Koralan® EL 412.



Reliable priming protection

For long-lasting protection of exterior timber, acrylic-based Koralan® GL 220 is the ideal primer – for both industrial and professional trade applications. The acrylic-based wood preservative primer provides preventive protection against blue stain (in accordance with EN 152) and mould (in accordance with EN 15457), creating the perfect base for final coatings with wood stains, paints or varnishes.

Authorised biocidal product* according to Regulation (EU) 528/2012.



Koralan® GL 220



- ✓ Improves the durability of subsequent coatings
- ✓ Easy to process
- ✓ Fast-drying
- ✓ Non-blocking
- ✓ Easy to sand

Ideal for treating exterior softwoods without ground contact that are to receive a subsequent decorative finish with wood scumbles, paints or varnishes (e.g. exterior cladding, gates, pergolas, windows and exterior doors).

Application methods: Spraying in enclosed systems (spray tunnel process), brushing, dipping, flow coating, automatic coating machine, Vacumat®

Colour shades: Colourless. White (translucent). Other shades on request.



*Use biocidal products with care. Always read the label and product information before use.

Colour-giving base coat

Koralan® GL 300 is a translucent, acrylic-based base coat for the industrial coating of timber components in interior and exterior applications. The non-film-forming formulation preserves the natural appearance of the wood, protects against weathering and provides the ideal base for subsequent coatings.

Koralan® GL 300



- ✓ Fast-drying
- ✓ Provides a glazing effect
- ✓ No formation of coating film
- ✓ Good penetration into wood
- ✓ Good flow properties
- ✓ Moisture-regulating
- ✓ Non-blocking

Timber for interior and exterior applications, e.g. fences, privacy screens and panels.

Application methods: Brushing, spraying (Airless, Airmix, Aircoat), dipping, flow coating, automatic coating machine, Vacumat®

Colour shades: Colourless. Other shades on request.



Award-winning wood care with the Ecolabel “Blauer Engel”

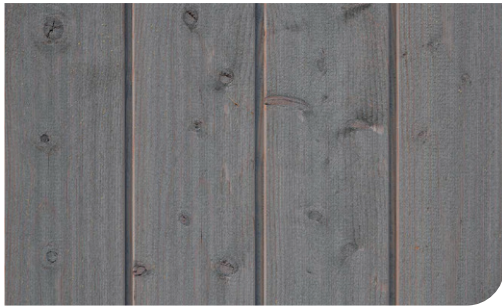
Koralan® UL 100 is a high-performance wood care oil based on natural oils and water, designed for the industrial coating of timber components. It provides long-lasting protection, preserves the natural appearance of the wood and creates a uniform translucent finish. The product is particularly low in emissions, solvents and harmful substances and carries the German ecolabel Blauer Engel.

Fulfils the requirements of DIN EN 71-3 (“Safety of toys”) in accordance with Directive 2009/48/EC as well as the award criteria of the German eco-label Blauer Engel DE-UZ 12a.



www.blauer-engel.de/uz12a

Koralan® UL 100



- ✓ Weather-resistant
- ✓ Provides a glazing effect
- ✓ Good penetration into wood
- ✓ Good flow properties
- ✓ Moisture-regulating
- ✓ Non-blocking

For the industrial coating of wooden elements outdoors, e.g. wooden façades, façade profiles, terrace boards and wood treated in the vacuum pressure - impregnation process.

Can also be used **indoors**.

Application methods: Brushing, rolling, spraying, dipping, flow coating, automatic coating machine, Vacumat®

Colour shades: Upon request.



Water-repellent



UV protection



Safety of toys
according to
DIN EN 71-3



Ideal for
softwood



High-quality protection

Koralan® UL 110 is a premium care oil based on natural oils and water that effectively protects timber components against weathering while preserving their natural appearance. It penetrates deep into the wood structure, regulates moisture and provides a uniform translucent finish. Ideally suited for the industrial coating of timber.

Fulfils the requirements of DIN EN 71-3 (“Safety of toys”) according to Directive 2009/48/EC.

Koralan® UL 110



- ✓ Weather-resistant
- ✓ Provides a glazing effect
- ✓ Good penetration into wood
- ✓ Good flow properties
- ✓ Moisture-regulating
- ✓ Non-blocking

For exterior timber, e.g. fences, privacy screens, terrace boards and pressure-treated timber.

Application methods: Brushing, dipping, flow coating, automatic coating machine, Vacumat®

Farbtöne:



Other shades on request.



Water-repellent



UV protection



Safety of toys
according to
DIN EN 71-3



Ideal for
softwood

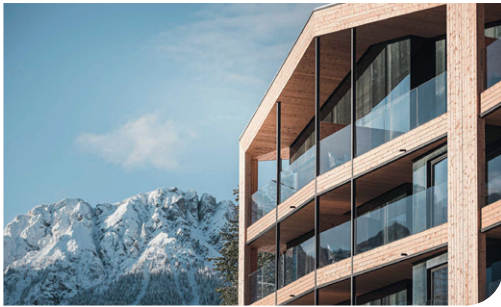
High-performance premium wood protection

Wood-preserving impregnation, priming and decorative weather protection: Koralan® Holzöl Spezial (Wood Oil Special) is a premium wood oil for coating exterior softwoods, providing preventive protection against weathering (sun and rain), blue stain (in accordance with EN 152) and mould (in accordance with EN 15457).

Authorised biocidal product* according to Regulation (EU) 528/2012.



Koralan® Holzöl Spezial (Wood Oil Special)



- ✓ Weather-resistant
- ✓ Provides a glazing effect
- ✓ Good penetration into wood
- ✓ Good flow properties
- ✓ Moisture-regulating
- ✓ Non-blocking

For exterior timber, e.g. terrace boards, timber façades, garden furniture and privacy screens.

Application methods: Brushing, dipping, flow coating, automatic coating machine, Vacumat®

Colour shades:



Other shades on request.



Modern aesthetics for timber façades

Koralan® Vergrauungslasur (Greying Scumble) gives timber surfaces a uniform grey appearance in the desired shade and is ideal for modern timber façades and façade profiles, as well as for timber used in the garden.

Fulfils the requirements of DIN EN 71-3 (“Safety of toys”) according to Directive 2009/48/EC.

Koralan® Vergrauungslasur (Greying Scumble)

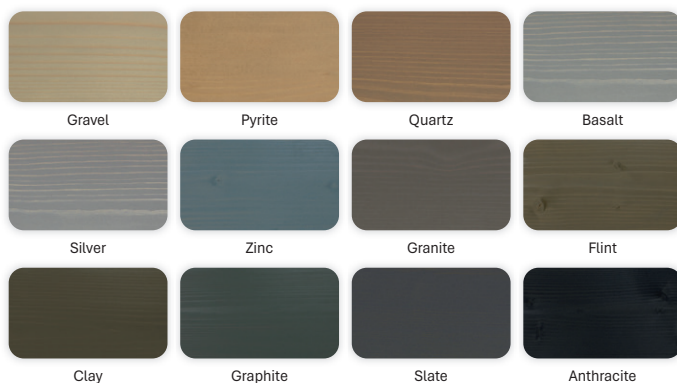


- ✓ Weather-resistant
- ✓ Provides a glazing effect
- ✓ Good penetration into wood
- ✓ Good flow properties
- ✓ Moisture-regulating
- ✓ Non-blocking

For exterior timber, e.g. wooden façades, façade profiles, and privacy screens.

Application methods: Brushing, dipping, flow coating, automatic coating machine, Vacumat®

Colour shades:



Other shades on request.



Water-repellent



UV protection



Safety of toys
according to
DIN EN 71-3

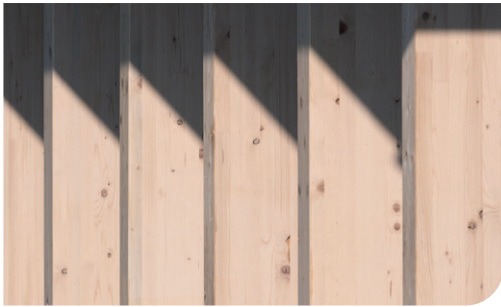


Ideal for
softwood

Interior wood finishing

Koralan® EL 200 and Koralan® EL 503 are the ideal solution for high-quality, transparent finishing of interior timber surfaces. These acrylic-based wood stains offer exceptionally high transparency, creating aesthetically pleasing surfaces that retain their natural character.

Koralan® EL 200



- ✓ Free from active substances
- ✓ Fast-drying
- ✓ Low blocking
- ✓ Good edge coverage
- ✓ UV protection provided by special UV absorbers in the colourless version
- ✓ Very high transparency
- ✓ Good chemical resistance



UV protection



Water-repellent

For interior timber, e.g. boards for cladding and panelling.

Application methods: Spraying, spray system, Vacumat®

Colour shades: Colourless. White (translucent). Other shades on request.

Koralan® EL 503



- ✓ Free from active substances
- ✓ Fast-drying
- ✓ Satin finish
- ✓ Low blocking
- ✓ Good edge coverage
- ✓ Very high transparency
- ✓ Good chemical resistance



UV protection



Water-repellent

For interior timber, e.g. boards for cladding.

Application methods: Brushing, spraying (Airless, Airmix, Aircoat), rolling

Colour shades: Colourless. Other shades on request.

Wood scumble concentrates for efficient timber coating

Koralan® UK 110 and Koralan® TKF are water-based, water-dilutable wood scumble concentrates specially developed for the industrial coating of timber. Ideal for high-volume applications such as garden timber, formwork beams, scaffold boards and pallets – wherever robust, reliable and cost-effective surface protection is required.

Koralan® UK 110



- ✓ Highly concentrated
- ✓ Easily diluted with water
- ✓ Fast-drying
- ✓ Smooth processing
- ✓ Low grain raising
- ✓ Moisture-regulating
- ✓ Non-blocking

For colouring applications such as garden timber, formwork beams, scaffold boards, pallets.

Ideal for hardwoods and softwoods requiring an opaque coating (e.g. roof soffits, windows, doors, fences).

Application methods: Brushing, dipping, flow coating, automatic coating machine, Vacumat®

Colour shades: Upon request.



Koralan® TKF



- ✓ Highly concentrated
- ✓ Easily diluted with water
- ✓ Fast-drying
- ✓ Smooth processing
- ✓ Easy to sand
- ✓ Moisture-regulating
- ✓ Improves the durability of subsequent coatings
- ✓ Low grain raising
- ✓ Non-blocking

For colouring applications such as garden timber, formwork beams, scaffold boards, pallets.

Ideal for hardwoods and softwoods requiring an opaque coating (e.g. roof soffits, windows, doors, fences).

Application methods: Brushing, dipping, flow coating

Colour shades: Upon request.





Freddy Hoffmann factory building, Schönberg/Belgium · Product used: Koralan® EL 411

Product overview

Product	Ready to use	Concentrate Water-dilutable	Protection against blue stain and mould	Coating film protected against blue stain and mould
Koralan® ED 411	●			●
Koralan® ED 418	●			●
Koralan® EL 200	●			
Koralan® EL 503	●			
Koralan® EL 400er series	●			
Koralan® GL 220	●		●	
Koralan® GL 300	●			
Koralan® UL 100	●			
Koralan® UL 110	●			
Koralan® UK 110		●		● *
Koralan® TKF		●		● *
Koralan® Holzöl Spezial (Wood Oil Special)	●		●	
Koralan® Vergrauungslasur (Greying Scumble)	●			

* Applies to the product diluted to the recommended concentration.



Application methods							
Brushing	Spraying	Rolling	Dipping	Flow coating	Vacumat®	Automatic coating machine	Spray system
●	●	●					
					●	●	●
	●				●		
●	●	●					
●	●	●					
●			●	●	●	●	
●	●		●	●	●	●	
●	●	●	●	●	●	●	
●			●	●	●	●	
●			●	●	●	●	
●			●	●			
●			●	●	●	●	
●			●	●	●	●	



Secondary School (Westhausen), Frankfurt am Main - Product used: Korlan® Vergrauungslasur (Greying Scumble)





THE BEST FOR YOUR WOOD.

Preserving Wood. Delivering Service.

Customer advice:

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info@kora-holzschutz.de

Orders:

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bestellung-kora@obermeier.de



Mainz-Kastel residential tower · Product: Koralan® Vergrauungslasur (Greying Scumble) in Gravel and Clay

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