



INDUSTRIAL WOOD COATINGS

KANSAI HELIOS
WOOD COATINGS
ARE DESIGNED
FOR FINISHING
WOOD ENSURING
HIGH-QUALITY
PROTECTION,
WHILE
EMPHASIZING
THE BEAUTY OF
WOOD.

DESIGNING EXCELLENCE



INTERNATIONAL KNOW-HOW AND LOCAL SUPPORT

KANSAI HELIOS is one of the top European producers of **industrial coatings, chemicals for bleaching and cleaning, materials for sticking and sealing, high-quality resins, decorating paints and refinishing coatings**. As part of KANSAI PAINT, one of the world's leaders in the paints and coatings industry, KANSAI HELIOS represents the **European competence center** of the group.

State-of-the-art coating technologies, an international team of experts and an explicit customer focus make KANSAI HELIOS your reliable partner for all industries. We focus on **high-quality products, long-term cooperation** and a **strong technical support**. With our own modern and fully equipped production sites and our well-located field offices throughout Europe, KANSAI HELIOS serves customers in more than 60 countries worldwide.

We share our long-term experience with our business partners through **KANSAI HELIOS Master Classes** – a high-level learning and networking platform with webinars, IKI symposia and technical trainings.

„DESIGNING EXCELLENCE“ – R&D AT THE HIGHEST LEVEL

At KANSAI HELIOS research and development is based on the highest standards, extensive know-how and a passion for inventive product solutions. We drive progress and innovation in our high-end laboratories. Looking far ahead, our experienced R&D teams formulate, develop and test high-performance coatings and paints, chemicals for bleaching and cleaning as well as materials for sticking and sealing that meet the high criteria of future product quality – especially with regard to the environment.

CREATING MORE VALUE FROM LESS RESOURCES

The KANSAI HELIOS Group is committed to the principles of sustainable development and relies on clean, energy-saving production technologies and the responsible use of resources. Accordingly, **environmental protection and a strong ESG management** are a key focus for us, not only in product development, but along the entire value chain and in all areas of the Group.



PRODUCT RANGE

INTERIOR FURNITURE AND JOINERY

STAINS AND PATINAS

KOMBIHEL – Solvent-based

EKOHEL – Water-based

LACQUERS AND ENAMELS

HIDROHEL – Water-based

HELIOCEL – Nitrocellulose

HELIODUR – Polyurethane

UVEHEL – UV-curing acrylic

UVEHEL AQUA – UV-curing acrylic water-based

BIO PROGRAM

BIO IMPREGNOL and BIOHEL

– Oils and waxes

EXTERIOR JOINERY AND GARDEN FURNITURE

EXTERIOR STAINS AND IMPREGNATIONS

AQUAVITA SYSTEM – Water-based

KANSAI
HELIOS WOOD
COATINGS
HIGHLIGHT THE
MOST NATURAL
BEAUTY OF
WOOD.

STAINS AND PATINAS

WOOD STAINS ARE TYPES OF WOOD COATINGS THAT HIGHLIGHT THE MOST NATURAL BEAUTY OF WOOD. THE STAINS COLOR WOODEN SURFACES, WHILE THE WOODEN STRUCTURE REMAINS VISIBLE, AND IMPROVE THE APPEARANCE.





KOMBIHEL STAINS



KOMBIHEL stains are produced on the basis of nitrocellulose, solved in organic solvents and colorants. The main advantage of these types of coatings is that stains color the wood surface while allowing the visibility of natural wood structure.

- Used for staining of all types of wooden surfaces, massive as well as veneered.
- Allows various application possibilities.
- Results in low lifting of wood fibers.

KOMBIHEL stains for spraying

Designed to achieve the most **uniform color shade** on veneered or massive wooden surfaces in such way that the visibility of the natural structure of wood is emphasized.

- Results in a homogeneous color shade throughout the wooden surface.
- Suitable for staining of wood with less distinct pores, such as beech, cherry, walnut, maple, birch, pear, spruce, pine, and others.



ADVANTAGES OF KOMBIHEL STAINS

- Bring out the beauty of the wood grain
- High intensity of color shades
- Quick drying



KOMBIHEL stains for wiping

Used for staining large wooden surfaces in such way that the **natural structure** of wood is **emphasized**.

- Results in a visible natural structure of wood.
- Suitable for staining of wood with more distinct pores, such as oak, ash, and others.
- Applicable even for large veneered or massive wooden surfaces.

KOMBIHEL stains for roller application

Used mainly in **industrial lines**.



KOMBIHEL PATINAS

SPECIAL
EFFECTS

KOMBIHEL patinas are the best choice to achieve special shading effects or highlight wooden pores, corners, and fake damages resembling inaccuracies of **antique furniture**.

- Used for patination of already base-lacquered wooden surfaces.
- Two types according to manufacturer's wishes - patinas for shading and patinas for sanding.
- Available in metallic shades (silver, gold, copper) and in shades based on customer's request.
- Patina has only a decorative function, therefore overcoating is obligatory.



EKOHEL STAINS



EKOHEL stains are made of water-based acrylic binders, water and colorants. The main advantage is that EKOHEL stains color wood surfaces while allowing the **visibility of natural wood structure**, and are as well **environmentally friendly**.

- Used for staining of all types of wooden surfaces, massive as well as veneered.
- Allow various application possibilities.

EKOHEL stains for dipping and spraying

For staining of all types of wooden furniture.

EKOHEL stains for roller application

Used mainly in **industrial lines**.

EKOHEL PATINAS



EKOHEL patinas are the best choice to achieve special shading effects or highlight wooden pores, corners, and fake damages resembling inaccuracies of **antique furniture**. EKOHEL patinas are water-based.

- Used for patination of already base-lacquered wooden surfaces.
- Two types according to manufacturer's wishes - patinas for shading and patinas for wiping.
- Patinas are supplied in customer-requested color shades.
- Patina has only decorative function, therefore overcoating is obligatory.

ADVANTAGES OF EKOHEL STAINS

- Environmentally friendly
- Low-to-zero VOC
- Easy cleaning of tools and equipment
- Easy application process
- Uniform appearance of stained surfaces (especially by spraying)

LACQUERS AND ENAMELS

LACQUERS (CLEAR COATINGS) AND ENAMELS (PIGMENTED COATINGS) ARE AN IDEAL SOLUTION TO ACHIEVE UTMOST AESTHETICS AND QUALITY PROTECTION OF WOODEN FURNITURE AND INTERIOR JOINERY.



HIDROHEL

HIDROHEL coatings are the optimal choice when requesting an **ecologically favorable** option for surface treatment of interior furniture.

- One or two-component water-based coatings based on acrylic dispersion.
- Good chemical and mechanical resistance of the dried film.
- Low VOC content (below 70 g/l).
- Use of water as a diluent.
- Various application options (spraying, roller application, curtain coating, dipping).

HIDROHEL use is growing rapidly due to increasing environmental awareness and regulations to reduce emissions of organic solvents (European VOC Directive).

HIDROHEL lacquers (clear coatings)

HIDROHEL enamels (pigmented coatings)



ADVANTAGES OF HIDROHEL COATINGS

- Ecologically favorable
- Good mechanical and chemical resistance
- Safe and easy-to-use (no risk of fire or explosion)
- Allow easy cleaning of the tools and equipment

HELIODUR

POLYURETHANE

HELIODUR coatings are the best choice when **high physical-chemical resistance** of elements is required.

- Two-component chemically curing coatings (reaction between –OH and –NCO group).
- High performance of dry film.
- Provide rich appearance and high-gloss surface.
- Intended for different kinds of application techniques (air, airmix, airless and electrostatic spraying and curtain coating).

HELIODUR lacquers (clear coatings)

HELIODUR enamels (pigmented coatings)

Due to good technical characteristics and simple application, the use of polyurethane coatings has spread beyond industrial lines e.g. in carpentry workshops.

ADVANTAGES OF HELIODUR COATINGS

- Durable furniture surface protection
- High surface hardness and elasticity
- Excellent mechanical and chemical resistance
- Easy treatment of different surfaces
- Possibility of drying at room temperature
- Possibility of different effects and processing



HELIOCEL

NITRO
COMBINED

HELIOCEL and NITRO coatings are the most **cost-effective** choice for manufacturers, when there is **no need for high physical-chemical resistance**.

- One-component coatings are produced on the basis of nitrocellulose and alkyd binders, solved in organic solvents.
- Intended to protect wood surfaces, which are not exposed to weather influences or water.

HELIOCEL lacquers (clear coatings)

HELIOCEL enamels (pigmented coatings)

ADVANTAGES OF HELIOCEL COATINGS

- Super-fast drying
- Easy preparation
- Various application possibilities
- Allow easy cleaning of tools and equipment
- Allow easy corrections of already lacquered surfaces





UVEHEL

UV-CURING

UVEHEL coatings are UV curing coatings for advanced manufacturers of flat interior furniture. A great advantage is that UVEHEL coatings optimize the manufacturing process, as they allow **very fast curing** using UV drier and **optimal material consumption**.

- Based on acrylic binders and acrylic reactive solvents.
- UVEHEL coatings are most commonly used with roller application on typical industrial lines for treatment of flat furniture, interior doors and parquet.
- Also other application methods are possible (spray, curtain coater or vacumat).
- The product family consists of UVEHEL putties, basic lacquers and enamels, and universal and top lacquers and enamels.

UVEHEL lacquers (clear coatings)

UVEHEL enamels (pigmented coatings)

UVEHEL AQUA

UV-CURING

SPRAYING

WATER-BASED

UVEHEL AQUA coatings are UV curing coatings for the most advanced manufacturers of interior furniture. A main advantage is that they are designed for **spraying application**, which provides a great solution for **profiled wooden furniture**, and **three-dimensional furniture**.

- Based on high reactive polyurethane acrylic dispersions.
- Water is the solvent.
- Great solution for interior furniture and due to spraying application, for profiled wooden furniture and three-dimensional furniture.
- The product family consists of UVEHEL AQUA basic lacquers and enamels, universal lacquers, and top lacquers and enamels.

UVEHEL AQUA lacquers (clear coatings)

UVEHEL AQUA enamels (pigmented coatings)

ADVANTAGES OF UVEHEL COATINGS

- Fast curing (UV drier) and time-efficient production procedures
- Minimal waste of materials during production
- Low material consumption for the given surface
- Outstanding chemical and physical characteristics of UV-cured films
- Low-to-zero emission of solvents (95 -100% solid content)
- Excellent sanding

ADVANTAGES OF UVEHEL AQUA COATINGS

- Possibility of spraying application
- No emission of organic solvents
- Time-efficient production procedures
- Excellent chemical and physical characteristics
- Easy cleaning of the tools and equipment

BIO PROGRAM

WOOD PROTECTION
TECHNIQUES WITH
NATURAL VEGETABLE
OILS AND WAXES
EMPHASIZE THE
NATURAL COLOR AND
BEAUTY OF WOOD.
THESE BIO OILS AND
WAXES ARE
BIO-DEGRADABLE
AND DO NOT SEAL
THE TIMBER,
BUT LET IT BREATHE.



BIO IMPREGNOL AND BIOHEL OILS AND WAXES

BIO

BIO IMPREGNOL and BIOHEL present natural oils and waxes for wood impregnation. The natural oils and waxes are the best choice when **environmentally friendly** techniques and **bio-degradable materials** are requested. An eco-friendly attitude and concern for future generations are a guidance we should implement in our everyday lives.

- Wood protection techniques with natural vegetable oils and waxes emphasize the natural color and beauty of wood.
- Do not seal the timber, but let it "breathe".
- Do not burden the environment, as these products are completely biologically degradable.



ADVANTAGES OF BIO OILS AND WAXES

- Bio impregnation for wood
- Natural and bio-degradable substances
- Emphasize the natural color and beauty of wood
- No plasticization of wood
- No formation of the film
- High-solid
- Environmentally friendly and bio-degradable

ECOLOGICAL
ATTITUDE
TOWARDS
NATURE
SHOULD
BECOME THE
PRINCIPLE
OF OUR
EVERYDAY
LIVES.

EXTERIOR STAINS

AQUAVITA SYSTEMS ARE DESIGNED AS A COMPLETE SET OF PRODUCTS FOR PROFESSIONAL WOOD CARE FOR EXTERIOR JOINERY AND GARDEN FURNITURE. TREATED WOODEN SURFACES REMAIN BEAUTIFUL AND WELL-PROTECTED FOR MANY YEARS TO COME.



AQUAVITA



AQUAVITA system is the ideal choice when requesting a complete set of products for **professional wood protection** for **exterior joinery and garden furniture**.

- Produced on the basis of water and modern components.
- Resistant to UV-rays and other atmospheric influences.
- Not only enrich wood, but also protect it against wood pests (fungi, insects) and weather influences.

Care and maintenance

The frequency of further applications of coatings for maintenance of wood protection is on average five years, and it depends on the following:

- level of exposure to weather influences,
- color shade, and
- regular care of exterior joinery and garden furniture.

A set of products of AQUAVITA system:

- Impregnations
- Egalisers
- Intermediate coatings
- Primers
- Top coats
- Enamels
- Oils
- Fillers for corner joints, coatings for end-wood
- Caring milk

Flawless exterior doors and windows for over ten years guaranteed with regular maintenance of wooden surfaces with AQUAVITA system.

ADVANTAGES OF AQUAVITA

- Water-based
- UV-resistant
- Enriches wood
- Protection against insects and fungi
- Protection against weather influences

INTERIOR COATINGS BY FURNITURE / JOINERY TYPE

BRAND	KITCHENS	BATHROOMS
KOMBIHEL stains	•	•
KOMBIHEL patinas	•	•
EKOHEL stains	•	•
EKOHEL patinas	•	•
HELIOCEL lacquers and enamels		
HELIODUR lacquers and enamels	•	•
HIDROHEL lacquers and enamels		
UVEHEL lacquers and enamels	•	•
UVEHEL AQUA lacquers and enamels	•	•
BIO IMPREGNOL		

COATINGS BY APPLICATION

BRAND	COLOR	SPRAYING
KOMBIHEL stains	shades according to customer's sample, MIX system	•
KOMBIHEL patinas	shades according to customer's sample and metallic shades	•
EKOHEL stains	shades according to customer's sample, MIX system	•
EKOHEL patinas	shades according to customer's sample	•
HELIOCEL lacquers	clear lacquers in different gloss	•
HELIOCEL enamels	black, white, shades according to customer's sample	•
HELIODUR lacquers	clear lacquers in different gloss	•
HELIODUR enamels	black, white, shades according to customer's sample, MIX system	•
UVEHEL lacquers	clear lacquers in different gloss	•
UVEHEL enamels	shades according to customer's sample	•
UVEHEL AQUA lacquers and enamels	clear lacq., color cards, white, shades according to customer's sample	•
HIDROHEL lacquers	clear lacquers in different gloss	•
HIDROHEL enamels	black, white, shades according to customer's sample, MIX system	•
BIO IMPREGNOL	clear impreg., shades according to color cards and customer's sample	
AQUAVITA		
Impregnations	color cards, shades according to color card and customer's sample	
Top coats	shades according to color card and customer's sample	•
Enamels	white, shades according to RAL and customer's sample	•

EXTERIOR COATINGS BY FURNITURE / JOINERY TYPE

BRAND	BUILDING JOINERY	FACADES, BALCONIES, FENCES, TIMBER WALLS
BIO IMPREGNOL		
AQUAVITA	•	•
Impregnant extra		•
Impregnant dip & brush	•	
Intermediate coats	•	•
Primers	•	•
Top coat spray	•	
Top coat brush		•
Email spray	•	
Email brush		•
Wood oil		•

CHAIRS	CHILDREN'S FURNITURE	LIVING ROOMS, BEDROOMS	INTERIOR BUILDING JOINERY	STAIRCASES
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APPLICATION				
CURTAIN COATING	ROLLER	DIPPING	FLOW COATING	SPREADING, WIPING, BRUSH
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PREFABRICATED AND WOODEN HOUSES	ROOFINGS	GARDEN FURNITURE	INTERIOR WOODEN CLADDINGS
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**KANSAI HELIOS
WOOD
COATINGS
MEET THE
CUSTOMER'S
DEMAND FOR
SUPREME
RELIABILITY
AND SAFETY.**



ISO 9001
ISO 14001

BUREAU VERITAS
Certification



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