



Wood coatings

with NECOWEL™ alkyd emulsions



Excellent **performance**,
first-class **application** and
environmental compatibility.
Tailor-made for you.



As a **specialist** in very **effective alkyd and copolymer emulsions** for **water-based wood coatings**, ASK Chemicals offers high performance resin systems for indoor and outdoor use for nearly all areas of wood coatings. In addition to good performance, our products are environmentally compatible and feature top-class application properties. This makes them ideal for switching from solvent-based to water-based systems without having to compromise on performance.

Your benefits at a glance:

- Good product quality thanks to high performance binding agents
- Top-class customer service, tailor-made modifications and refinement
- Our alkyd and copolymer emulsions are based on natural oils and feature a high percentage of renewable raw materials.
- NECOWEL™ products are VOC-free and meet all environmental friendliness and occupational health and safety requirements.



NECOWEL™

Open pore wood stains

The products from the NECOWEL™ FLE series are perfectly suited to formulating open pore wood stains. NECOWEL™ FLE products are copolymers based on renewable raw materials. These products are ideal for creating wood stains for indoor and outdoor use, e.g. teak oil. Thanks to the very good wetting properties and the low-viscosity resin phase, the wood fiber shows a good colour enhancement/natural wood colour enhancement.



NECOWEL™

Film-forming coatings

Film-forming coatings generate a closed painted surface that seals the wood surface. This creates a very good protective effect against weather and environmental effects, contamination and so forth. Film-forming coatings place high drying requirements on the binding agent.



NECOLIN™

Wood protection systems

Products from the NECOLIN™ series are perfectly suited for formulating wood protection agents. The basic polymer dissolves biocides well, such as IPBC and propiconazole, and penetrates very well into the wood thanks to its low viscosity. Thanks to this, the active materials are carried deep into the wood and attached to the wood fiber, and this prevents the biocides from being washed out. The good wetting of the wood fiber also results in a

The appearance matches that of the solvent-based systems. Wood protection systems and wood stains based on NECOWEL™ products feature an outstanding penetration behavior, good stability and weather resistance. Fast drying varnishes can be formulated with PU-modified alkyd emulsions.

Benefits

- Emulsion based on a low-viscosity copolymer
- Good colour enhancement / natural wood colour enhancement
- Good weather resistance
- High penetration
- Very good wetting properties
- Renewable materials form at least 80 % of the product
- VOC-free

The PU-modified alkyd resins NECOWEL™ 2329 are particularly suited here. These binding agents feature good adhesion, good renovation properties, good blocking resistance and low contamination absorption.

Benefits

- PU-modified alkyd emulsion
- Fast drying
- Good weather resistance
- Water barrier formation
- Good renovation properties
- Good processing properties
- VOC-free

very good colour enhancement / natural wood colour enhancement.

Formulations authorized in accordance with the Biocide Directive are available.

Benefits

- Low-viscosity polymer
- Good colour enhancement / natural wood colour enhancement
- Dissolves biocidal agents
- Good attachment of the biocides in the wood
- Excellent penetration properties
- Very good wetting properties
- Good stability
- VOC-free

NECOWEL™ Properties and technical data:

NECOWEL™ – Open pore wood stains

Product	Oil type	Oil length	Properties and special features
NECOWEL™ FLE 55 M	Linseed oil/fish oil	80 %	Fast early water resistance
NECOWEL™ FLE 55 SR	Linseed oil	80 %	Improved early water resistance and better drying

NECOWEL™ – Stain blocking alkyds

Product	Oil type	Oil length	Properties and special features
NECOWEL™ 4300	Spec. fatty acids	35 %	Excellent penetration ability for all kinds of woods, blocking of tannins and other wood ingredients, easily reworkable

NECOWEL™ – Film-forming coatings

Product	Oil type	Oil length	Properties and special features
NECOWEL™ 2329	Spec. fatty acids	35 %	High gloss, fast drying

NECOLIN™ – Wood protection systems

Product	Oil type	Oil length	Properties and special features
NECOLIN™ FL 2000	Linseed oil/fish oil	80 %	Low viscosity, oxidatively drying copolymer resin, high penetration behavior, outstanding wetting behavior

ASK Chemicals GmbH

Reisholzstraße 16–18

40721 Hilden, Germany

Phone: +49 211 71 103-0

Fax: +49 211 71 103-35

specialties@ask-chemicals.com

www.specialties.ask-chemicals.com

Technical datasheets and guide formulations are provided on
our website www.specialties.ask-chemicals.com.

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