



HIGH-PERFORMANCE RESINS FOR INDUSTRIAL WOOD

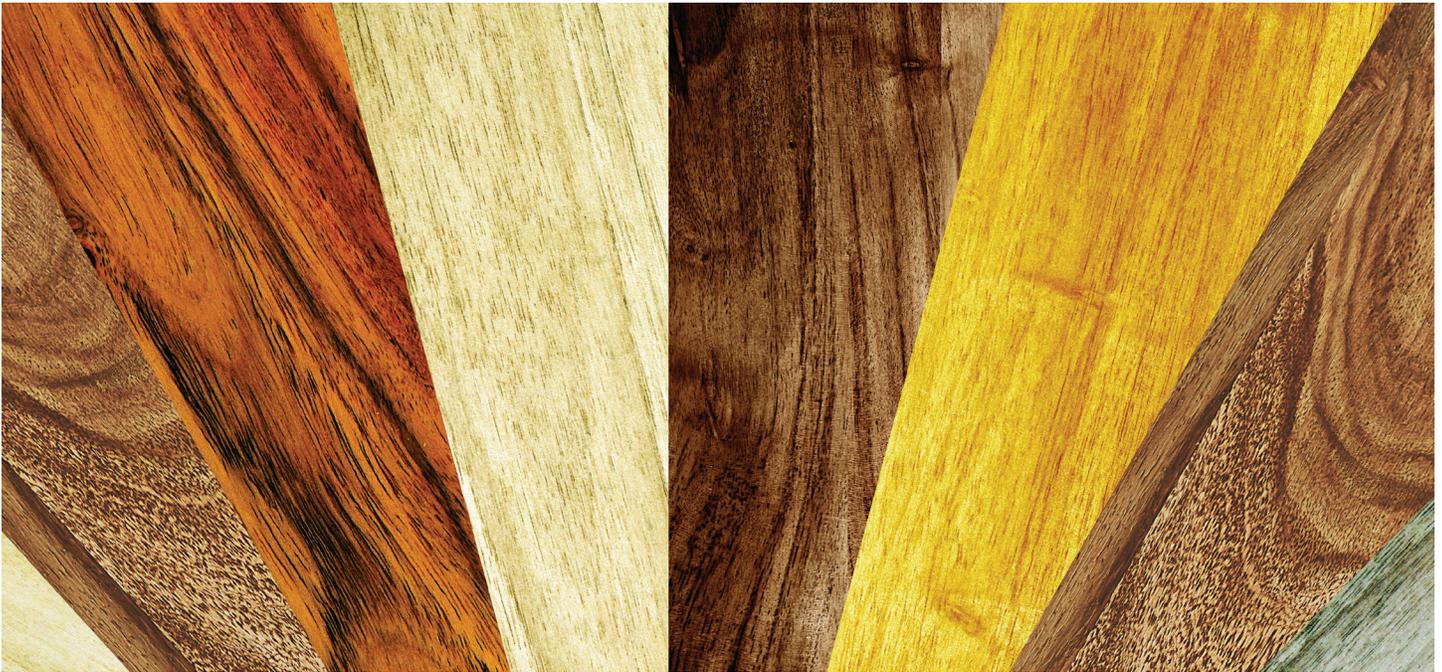
ENHANCE WOOD COATINGS
WITH INNOVATIVE SOLUTIONS

epscca.com

eps[®]
ENGINEERED
POLYMER
SOLUTIONS *Science
Simplified*

HIGH PERFORMANCE FOR YOUR INDUSTRIAL WOOD COATINGS

Wood coatings formulated with EPS polymers offer increased durability and beautiful, high-performance finishes, as well as excellent mechanical and chemical resistance, good hardness/flexibility ratio, exceptional leveling and fast dry times. This balance of properties streamlines production and reduces manufacturing times.



EPS 2400 Series

Industrial Wood Application

	Interior Clear			Interior Pigmented			Exterior				
	Primer	Self-Sealer	Topcoat	Primer	Self-Sealer	Topcoat	Primer Clear	Topcoat Clear	Primer Pigmented	Self-Sealer	Topcoat Pigmented
EPS® 2420								X			X
EPS® 2426										X	
EPS® 2436		X	X								
EPS® 2452						X					
EPS® 2454	X	X									
EPS® 2458	X	X	X	X	X		X			X	

The data on this brochure represents typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. Revision Date 03/2022

EPS® 2420

Self-Crosslinking, All-Acrylic Emulsion for Joinery with an Excellent Balance of Properties

EPS 2420 is a binder for interior and exterior wood applications such as multi-coat, enamels and varnishes with exceptional leveling properties and UV resistance. In-can transparency is a key feature of this product.

Use: Topcoat

Market: Industrial Wood

- Exceptional leveling
- Clear in can
- Excellent block
- Exterior durability
- Medium hardness
- Good flexibility
- Good early water and water resistance
- Good stackability
- Low water uptake
- High transparency
- APE-free *

EPS® 2426

Styrenated Acrylic Emulsion for Wood Edge Sealers

EPS 2426 is a styrenated acrylic emulsion offering excellent early water resistance. It is used as a wood edge sealer for lumber.

Use: Self-Sealer

Market: Industrial Wood

- Reduces water swelling when used in board edge sealers for lumber
- Outstanding water resistance
- Low water uptake
- Capable of formulating at low VOC/near 0 VOC
- APE-free *

EPS® 2436

High-End Topcoats & Self-Sealers: Leading 1K Acrylic Technology

EPS 2436 is a self-crosslinking, pure acrylic copolymer dispersion used as a binder for high-quality wood coatings.

Use: Topcoat, Self-Sealer

Market: Industrial Wood

- Exceptional transparency and wood wetting (grain accentuation)
- Excellent chemical resistance
- Excellent mechanical properties
- Good block resistance and hardness development
- Good hardness/flexibility ratio

EPS® 2452

Self-Crosslinking Multiphase All-Acrylic Emulsion

EPS 2452 is used as the principal vehicle for white pigmented high-performance furniture and wood finishes where IKEA R2 (coffee and ethanol resistance) performance is necessary.

Use: Topcoat

Market: Industrial Wood

- Capable of meeting IKEA R2 specifications
- High block resistance
- Low solvent demand
- Good hardness development
- <100g/L VOC capable
- APE-free *

EPS® 2454

All-Acrylic Dispersion for High-Quality Wood Coatings

EPS 2454 is used as the principal vehicle for primers and self-sealers when high clarity, excellent penetration and minimal grain raising is a must. The product has been specifically developed for oak to avoid undesired discoloration.

Use: Primer, Self-Sealer

Market: Industrial Wood, Flooring

- Very good mechanical properties
- Good chemical resistance
- Outstanding transparency and wood wetting (grain accentuation)
- Good block resistance
- Low solvent demand
- High build (high solids)
- APE-free *

EPS® 2458

All-Acrylic Emulsion with Proven Performance in Primers & Self-Sealers

EPS 2458 is a water-based, self-crosslinking, all-acrylic binder for interior and exterior applications.

Use: Primer, Self-Sealer

Market: Industrial Wood

- Good balance between hardness and flexibility
- Fast dry
- Good chemical resistance
- Very good in-can transparency
- Very good wood wetting (grain accentuation)
- Good block resistance
- Very low solvent demand
- APE-free *

* Made without APE-containing surfactants



EPS® 2293

EPS 2293 is a self-crosslinking, all-acrylic emulsion offering excellent performance in exterior stain formulations for deck and wood applications.

EPS® 2533

EPS 2533 provides paint formulators a low-VOC waterborne alternative to solvent-based primers and is ideal for use as a universal primer or low-gloss topcoat on ferrous and non-ferrous metal, cementitious, wood and plastic substrates.



EPS® 2559

EPS 2559 is a styrenated acrylic emulsion with excellent early water and humidity resistance.

EPS® 2550

EPS 2550 is a styrenated acrylic emulsion, which can be used to formulate economical coatings offering excellent hardness, gloss and chemical resistance. Coatings produced with EPS 2550 also exhibit good block resistance and adhesion to wood, plastics, ferrous and non-ferrous metals.



EPS® 2568

EPS 2568 is a styrenated acrylic emulsion designed for use in clear and pigmented coatings that exhibit excellent hardness development with good humidity and corrosion resistance. Use on ferrous and non-ferrous metals, cementitious, wood and plastic substrates.

EPS® 2574

EPS 2574 is a styrenated acrylic emulsion offering excellent hardness, block resistance and early water resistance. EPS 2574 provides paint formulators a waterborne alternative to solvent-based resins and is ideal for use on ferrous and non-ferrous metals, cementitious, wood and plastic substrates.

EPS® 4203

EPS 4203 is a self-crosslinking polyurethane dispersion/acrylic polymer with excellent abrasion and stain resistance. Primary end uses are for wood substrates (except for commercial flooring), blending with acrylic emulsions, and plastics where alcohol and household stain resistance is important.

EPS® 4216

EPS 4216 is an oxidizable polyurethane dispersion designed to provide fast dry, good finished hardness and water/humidity resistance. Coatings using EPS 4216 exhibit excellent adhesion to a variety of substrates, including wood, ferrous and non-ferrous metals and various plastics.



NOVOCOLOR® SF

WATERBORNE SUPERFINE COLORANTS

- For in-plant and specialty industrial wood stains and coatings, wood graining inks, specialty inks, fabric, plastic, foil and glass coatings
- Capable of matching all types of wood stain colors
- High transparency
- Compatible in acrylic emulsion and waterborne or water-dispersible alkyd stains, as well as waterborne coatings for plastics
- Excellent color stability
- Minimal impact on critical paint and coatings properties
- Wide range of pigment choices to meet coating systems requirements for durability, chemical resistance and color space

USES AND MARKETS

- Architectural
- Industrial
- Wood stains and coatings
- Concrete stains
- Deco foil
- Inks
- Glass coatings
- Concrete stains



THE EXPERTISE BEHIND THE INNOVATION

Engineered Polymer Solutions (EPS) produces performance-based polymers and resins, specifically designed for our customers who develop innovative products for the architectural, industrial and construction coatings industries. With a direct connection to technical support, next-generation technology and unparalleled customer service – we help your business succeed.

Our highly-responsive R&D experts create the solutions of the future. EPS has unmatched technical insight, with modern, world-class manufacturing facilities and decades of test

fence exterior exposure data from a variety of climates. We are committed to exceeding our customers' expectations by supplying resins with proprietary technology that enables our customers to create high-performance coatings.

At EPS, we continuously listen and are ready to respond to customer needs, with strong technical, scientific and industry knowledge – allowing you to bring the best product to market and enhance your competitive edge. Formulate your architectural, industrial and construction products with a wide range of resins supplied by EPS.

To learn more, visit epscca.com

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