HIGH-PERFORMANCE RESINS AND COLORANTS FOR THE COATINGS INDUSTRY

POLYMERS AND COLORANTS FOR INDUSTRIAL, CONSTRUCTION AND ARCHITECTURAL COATINGS

epscca.com

eps® ENGINEERED POLYMER SOLUTIONS Science Simplified

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 faster 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® 2430		X	X								
EPS® 2452						X					
EPS® 2454	X	X									
EPS® 2458	X	X	X	X	X		X		X		

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® 2430

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

EPS 2430 is a self-crosslinking all-acrylic dispersion used as a binder for high-quality wood coatings.

Use: Primer, Topcoat, Self-Sealer
Market: Industrial Wood

- In-can transparency
- Excellent chemical resistance
- Exceptional transparency and wood wetting (grain accentuation)
- Excellent mechanical properties
- Nitrocellulose-like appearance
- Good block resistance and hardness development
- Good hardness/flexibility ratio
- APE-free *

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

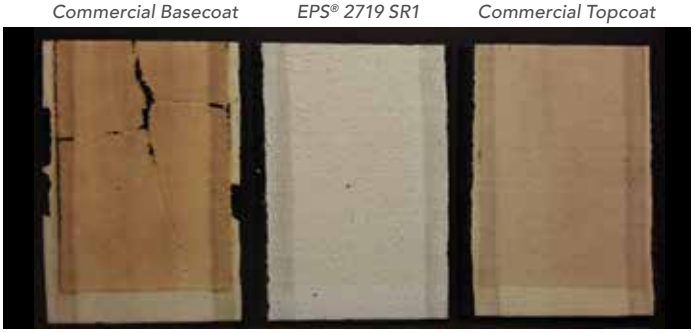
EPS 2458 is a water-based, self-crosslinking all-acrylic binder for interior and exterior applications.

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

Commercial Basecoat *EPS® 2719 SR1* *Commercial Topcoat*



QUVA Accelerated Testing

ROOF COATINGS

For the roofing industry, EPS produces resins with early hardness development, exceptional resistance to bleed-through and excellent adhesion.

EPS® 2252

Low Surface Energy Adhesion Polymer

EPS 2252 is a high-solids acrylic emulsion, designed to adhere to low surface energy substrates commonly used in roofing, that provides the capability to formulate coatings at <50 g/L VOC. Basecoats and primers based on EPS 2252 have excellent adhesion to TPO, EPDM, metal, asphalt and other common roofing substrates.

EPS® 2719

Asphalt Bleed-Through Resistant Polymer

EPS 2719 – an innovative acrylic emulsion – is designed to minimize asphalt bleed-through in cool roof coatings, while maintaining flexibility and toughness. Roof coatings based on EPS 2719 also offer UV and dirt pickup resistance, as well as excellent adhesion to asphaltic and other common construction substrates.

ARCHITECTURAL COATINGS

For the architectural coatings industry, EPS supplies a full line of acrylic emulsions with self-crosslinking technology for high-performance applications that offer outstanding gloss retention, stain blocking and durability on alkaline substrates.

EPS® 2799

100% Acrylic Polymer

EPS 2799 is a versatile polymer recommended for use in semi-gloss to high-gloss enamels that require excellent hardness and tack resistance in both white/pastel bases and fully tinted clear/neutral bases. This 100% acrylic film-forming polymer is an ideal choice for high-performance gloss interior and exterior architectural DIY or professional paints.

EPS® 2293

Excellent Adhesion Polymer

Obtain high-performing exterior stain formulations for deck and wood applications with EPS 2293. This self-crosslinking, all-acrylic emulsion delivers exceptional adhesion and early water resistance for use in clear sealers over tiles and cementitious substrates. Clear coatings can be formulated at <100 g/L VOC.

EPS® 9147

High-Solids Coalescent

Provide exceptional film performance in coatings for architectural, industrial and construction markets with EPS 9147. This versatile high-solids (99.1% minimum/by weight) coalescent for acrylic emulsions replaces coalescing solvents – resulting in high-performance coatings.

INDUSTRIAL COATINGS

Made with proprietary adhesion technology, EPS produces PUDs and acrylic emulsions for the industrial market that deliver block, adhesion and corrosion resistance, as well as excellent hardness.

EPS® 2580

Direct-To-Metal <50g/L VOC Polymer

This self-crosslinking, acrylic emulsion offers excellent gloss, corrosion and chemical resistance, early water resistance, and rapid hardness development. EPS 2580 provides the capability to formulate coatings at <50g/L VOC.

EPS® 2559

Early Water Resistant Polymer

Equipped with early hydrophobic properties, EPS 2559 is an excellent choice for high-performance waterproofing paints on cementitious substrates, and for use in tile mastics, DTM primers and DTM topcoats. This styrenated acrylic emulsion delivers impressive early water and humidity resistance, as well as strong adhesion to various plastics and a variety of ferrous and non-ferrous substrates. EPS 2559 can be formulated with a wide array of co-solvents – providing an optimal balance of application and drying properties.

EPS® 2570

Corrosion and Chemical Resistant Polymer

EPS 2570 provides the capability to formulate coatings at <100 g/L VOC. This self-crosslinking, styrenated acrylic emulsion offers excellent gloss, rapid hardness development, and corrosion, chemical and early water resistance.

EPS® 2574

Block Resistant Polymer

Enhance your coatings with a styrenated acrylic emulsion that offers exceptional hardness, block resistance and early water resistance. EPS 2574 provides paint formulators with a waterborne alternative to solvent-based resins and is ideal for use on ferrous and non-ferrous metals, as well as cementitious, wood and plastic substrates.

CONCRETE SEALERS AND STAINS

Concrete sealers must provide both aesthetic and protective attributes. A high-performance binder is critical for this application because concrete sealers contain little pigment or additives. EPS® 2257 and EPS® 2293 are innovative acrylic emulsions ideal for cementitious substrates.

EPS® 2257

EPS 2257 is an all-acrylic emulsion that offers excellent penetration, adhesion and water resistance on cementitious substrates.

- Good blush and water resistance
- Exceptional hardness with low VOCs (50 to 100 g/L)
- Excellent UV and yellowing resistance

EPS® 2293

EPS 2293 is a self-crosslinking all-acrylic emulsion that provides excellent adhesion and early water resistance for use in clear sealers over tiles and cementitious substrates. EPS 2293 also offers outstanding performance in exterior stain formulations for deck and wood applications. Clear coatings can be formulated at less than 100 g/L VOC. Additionally, it can be formulated into low VOC (less than 100 g/L) for garage floor coatings.

- Exceptional early water resistance – resists blushing, whitening or blistering
- Great wet and dry adhesion to wood, tiles, glass and cementitious substrates
- Chemical and abrasion resistant
- Superb exterior durability and performance as a wood stain

NEXT-GENERATION COLORANTS

EPS is a global supplier of CCA colorants to the consumer paints and industrial coatings industries. For over 70 years, we have focused on developing a broad colorant technology portfolio for both POS and In-Plant OEM customers to use in architectural and industrial applications.

CCA colorants are controlled to some of the highest standards in the coatings industry and give users outstanding batch-to-batch tinting uniformity.

Capabilities

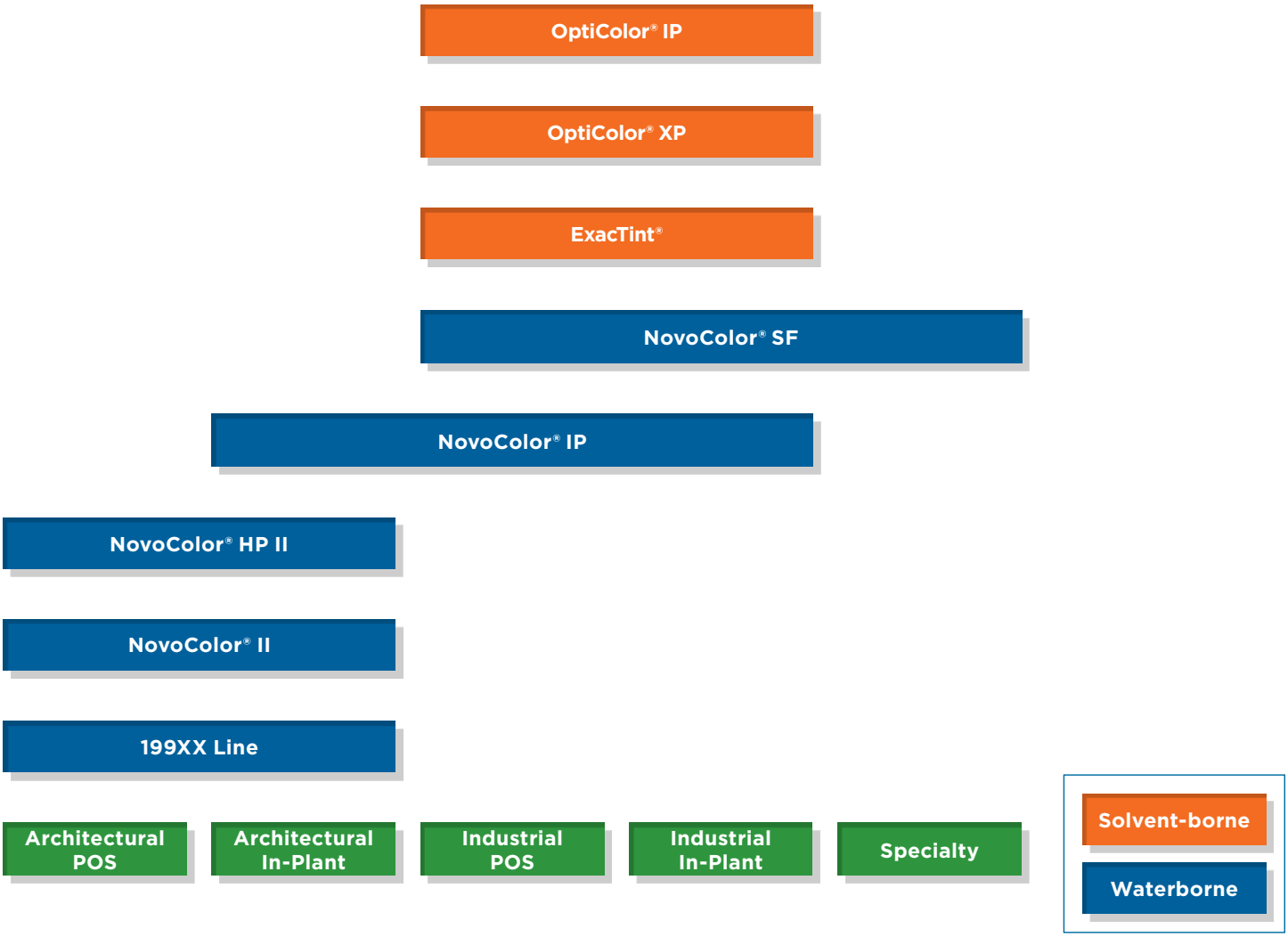
Colorants are offered to key segments of the paint and coatings industry, which include:

- Decorative – Interior and Exterior Architectural
- Industrial – Coil, Wood, General Industrial, and Packaging
- Specialty – Construction, Industrial Maintenance, and Auto Refinish

Dedicated Color Services Group

Our dedicated color services group brings over 100 years of combined experience to the industry. They understand that making a colorant change is a great undertaking and they take pride in delivering the best and most consistent product and customer experience.

PORTFOLIO



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.

As a global manufacturer of CCA colorants to the consumer paints and industrial coatings industries, we offer a broad colorant technology portfolio for both POS and In-Plant OEM clients. We are committed to understanding our customers' needs and helping them to succeed.

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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