



High-Performance Resins for the **Coatings Industry**

Engineered Polymer Solutions provides high-performance, high-value resins specifically designed for the industrial, construction and architectural coatings industries.

eps[®]
ENGINEERED
POLYMER
SOLUTIONS *Science
Simplified*

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RESINS FOR CONSTRUCTION COATINGS

EPS® 506

Recommended for primers and topcoats on tiles and other mineral substrates.

- Gloss potential
- Efflorescence and chemical resistance
- Multi-substrate adhesion

EPS® 717

Ideal for use in exterior coatings and plasters, road line and tennis court marking.

- Fast drying
- Abrasion resistance
- Early water resistance

EPS® 719

Designed to minimize asphalt bleed-through in cool roof coatings while maintaining flexibility and toughness.

- Dirt pickup resistance (DPUR)
- Water resistance
- Adhesion to asphalt, PVC, metal and other common roofing substrates

EPS® 730

Ultrafine particle size, surfactant stabilized, acrylic copolymer used for stabilizing powdery cementitious substrates.

- Efflorescence resistance
- In-can clarity
- Adhesion on plasters



POLYMERS FOR FLOOR-TO-ROOF APPLICATIONS

EPS® 294

Used to formulate varnishes and paints for horizontal and vertical applications on cementitious and tile substrates, such as garage floors, balconies and walkways. Also suitable for exterior wood stains.

- Minimal blushing or whitening
- Abrasion and water resistance
- Multi-substrate adhesion

EPS® 572

Self-crosslinking acrylic copolymer recommended for the formulation of mosaic plasters, enamels for wood, metal and mineral substrates, varnishes and stains.

- Minimal blushing or whitening
- Gloss potential
- Chemical and block resistance

EPS® 706

Designed for interior/exterior architectural coatings. Used as the principal vehicle for medium to high PVC coating for mineral and wood substrates.

- Dirt pickup resistance (DPUR)
- Efflorescence resistance
- Low water uptake

EPS® 747

Binder for interior and exterior applications recommended to formulate trim paints and multipurpose lacquers.

- Dirt pickup resistance (DPUR)
- Gloss retention
- Water and block resistance

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 and CCA assume no obligation or liability for use of this information. UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS 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.



RESINS FOR INDUSTRIAL COATINGS

EPS® 563

Developed for 2K industrial metal, glass and plastic applications where high performance and low VOC are required. This resin is intended to be used in combination with isocyanate or melamine resins.

- High gloss
- Chemical resistance
- No popping at high film thickness

EPS® 595

Versatile and robust acrylic copolymer in water, offering exceptional corrosion resistance and adhesion to multiple substrates.

- Adhesion
- Corrosion resistance
- Gloss potential and retention

DYFLEX LP 9607/2

Used as a binder together with either blocked isocyanate or amino resin for 2K water-based stoveable paints for glass. Recommended for the coating of glass objects such as perfume bottles.

- Hardness
- Chemical resistance
- Transparency

DYFLEX LP 9624

Acrylic copolymer emulsion to be used for water-based paints on metal, MDF and plastic. It is used as a binder for metal finishes, anticorrosive primers, brushable paints, primers for MDF and plastic coatings.

- Compatibility with anticorrosive pigments
- Adhesion
- Water resistance



POLYMERS FOR WOOD FINISHES

PC-MULL 815

Biobased* acrylic copolymer for industrial and residential wood applications with performance comparable to that of conventional 100% fossil-based products.

- Chemical and block resistance
- In-can clarity
- Fast hardness development

DYFLEX LP 1700

Clear-in-can, all-acrylic polymer used as the principal vehicle for high-performance furniture and wood finishes.

- Fast hardness development
- Chemical resistance
- Block resistance

PC-MULL 1016W

Used as the principal vehicle for high-performance furniture and wood finishes.

- Transparency
- Mechanical, block and chemical resistance
- Hardness

PC-MULL VP 435

Used as the principal vehicle for pigmented high-performance furniture and wood finishes where IKEA R2 (coffee and ethanol) performance is required.

- Chemical and block resistance
- Hardness

* Calculated biobased content of up to 15%.



At Engineered Polymer Solutions, our experts are committed to excellence, delivering advanced polymers that are the cornerstone of formulating cutting-edge coatings technologies. Through continuous innovation and development of next-generation products, we empower manufacturers globally to create highly successful solutions that elevate performance in the architectural, construction and industrial coatings industries.



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