

# ENCOR<sup>®</sup> 123

## Styrene Acrylic for Elastomeric Weather-barrier Coatings

### Product Benefits

ENCOR<sup>®</sup> 123 latex is a high-solids styrene-acrylic binder that combines high adhesion with unusually high resistance to water and alkali. Its primary application area is in elastomeric weather-barrier coatings. Coatings formulated from ENCOR<sup>®</sup> 123 latex exhibit excellent adhesion to a variety of architectural substrates, including wood, low- and medium-density urethane foam, aluminum, and concrete. The polymer's high alkali resistance allows its use over "green" cement or block fillers. Coatings attain water resistance quickly after application and will achieve and maintain desirable properties under extreme drying conditions.

ENCOR<sup>®</sup> 123 latex has also shown wide utility in a variety of other applications where water resistance, elasticity, and adhesion are important. These include adhesive sealants, laminating adhesives, and mastics. It can be blended with selected other latexes to increase low temperature flexibility, reduce permeability, or decrease water absorption. ENCOR<sup>®</sup> 123 latex also provides pressure sensitive adhesive properties. When properly tackified it provides moderate peel and tack with exceptional shear resistance.

### Polymer Design

- Styrene acrylic

### Performance Benefits

- Excellent adhesion
- High alkali resistance
- High resistance to water

### Typical Polymer Properties<sup>1</sup>

Total Solids, % by weight	60
Polymer Type	Acrylic
Weight per Gallon, lb	
Latex	8.9
Polymer	9.3
pH Value	8.5
Viscosity, 20 °C, cP (Brookfield, LVT No. 3, 60 rpm)	150
Glass Transition Temperature, midpoint, °C	-17
Mechanical Shear Stability	Excellent
Heat-Age Stability, 120 °F, weeks passed	4

<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.

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## Product Safety

Before handling the materials listed in this bulletin, read and understand the product MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information. For environmental, safety and toxicological information, contact our Customer Service Department at 1-866-837-5532 to find an MSDS, or visit our web site: [www.arkemacoatingresins.com](http://www.arkemacoatingresins.com)

No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

Arkema Coating Resins requests that the customer read, understand, and comply with the information contained in this publication and the current MSDS(s). The customer should furnish the information in this publication to its employees, contractors, and customers, or any other users of the product(s), and request that they do the same.

## Storage and Handling

Follow procedures typically recommended for polymer dispersions. Use corrosion-resistant storage tanks and piping. Air-operated diaphragm pumps are preferred. Avoid temperature extremes. Do not freeze; store between 4-40°C.



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