

ENCOR[®] 145

Styrene Acrylic for Ceramic Tile Adhesives

Product Benefits

ENCOR[®] 145 latex is a styrene-acrylic emulsion polymer. Its combination of high molecular weight and hydrophobic nature provides an economical vehicle for such diverse applications as spackling compounds, tile adhesives, and exterior insulation adhesives. Its small particle size and carboxyl functionality provides excellent stability and pigment wetting.

ENCOR[®] 145 latex can be formulated into a ceramic tile adhesive that passes ANSI A136.1 (Type 1) specifications. Due to its high Tg, ENCOR[®] 145 latex requires a small amount of plasticizer or filming aid to reduce its minimum film forming temperature. Compounded in that manner, it can tolerate high pigment loadings and provide an excellent value to the manufacturer.

Polymer Design

- Styrene-Acrylic

Performance Benefits

- Excellent stability and pigment wetting
- Tolerates high pigment loadings
- Diverse applications

Typical Polymer Properties¹

Appearance	White, milky liquid
Surfactant System	Anionic
Total Solids, % by weight	48
Weight per Gallon, lb	8.7
Particle size, microns	0.15
pH Value	8.0
Viscosity, 20 °C, cP (Brookfield, LVT No. 2, 30 rpm)	120
Tg, midpoint, °C	32
Minimum Filming Temperature, °C	29

¹The 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

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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