

ENCOR® 471

For Exceptional Gloss Development in Waterborne Coatings

Product Benefits

ENCOR® 471 latex is a styrene acrylic latex with alkyd-like rheology and gloss properties, making it an excellent choice for a variety of architectural applications.

ENCOR® 471 latex is one in a series of three products (ENCOR® 461 latex and ENCOR® 481 latex) with similar properties that are distinguished by different glass transition temperatures. Each of the latexes in the series can be formulated to deliver a wide range of coating performance based on end-use requirements. All of the polymers in the series are highly hydrophobic, making them good choices for coatings applied over cement-based substrates.

ENCOR® 471 latex is the hardest polymer of the series and is designed for coatings for metal and other inflexible substrates. The latex can also be formulated for use in coatings where heat-curing is preferred.

Polymer Design

- Styrene Acrylic

Performance Benefits

- High gloss potential
- Excellent wet adhesion
- Outstanding adhesion to difficult substrates
- Excellent film build and leveling
- Superior block resistance

Typical Polymer Properties¹

| | |
|----------------------------------|------|
| Total Solids, % by weight | 48.0 |
| Weight per Gallon, lb | 8.7 |
| pH Value | 9.5 |
| Particle Size, microns | 0.08 |
| Viscosity, Brookfield cP | 400 |
| Minimum Filming Temperature, °C | 22 |
| Glass Transition Temperature, °C | 44 |

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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