

# ENCOR® 282

The Next Generation of General Purpose Vinyl Acetate/Ethylene Binder

## Product Benefits

ENCOR® 282 latex represents the next generation of general purpose vinyl acetate/ethylene (VAE) binder for architectural coatings, combining outstanding end-use performance with the composition and formulation latitude needed for use in more environmentally-friendly coatings.

This product offers exceptionally high scrub resistance and excellent film formation at or below 50 g/L VOC. This polymer enhances end-use performance, such as touch-up properties, while simultaneously enabling formulators to meet increasingly stringent VOC regulations and environmental initiatives.

ENCOR® 282 latex can be formulated for use over a wide range of pigment volume concentrations (PVC) in finishes ranging from flat to semi-gloss, providing efficient pigment binding. The result is paint finishes that yield extremely high scrub resistance along with excellent low-temperature coalescence and gloss.

## Polymer Design

- Vinyl Acetate/Ethylene Co-polymer
- VOC capable – from 0-50 g/L
- No added Alkylphenol Ethoxylate (APE) surfactants
- No added formaldehyde<sup>1</sup>

## Performance Benefits

- Extremely high scrub resistance
- Excellent low temperature film formation
- Broad formulation latitude
- Superior touch-up properties

## Typical Polymer Properties<sup>2</sup>

Total Solids, % by weight	56
Weight per Gallon, lb	8.8
pH Value	<5.0
Particle Size, microns	0.4
Viscosity, Brookfield cP, #2 LVT @ 30 rpm, 25°C	500
Minimum Film-Forming Temperature (MFFT), °C	0
Glass Transition Temperature (Tg), midpoint, °C	11

<sup>1</sup>Formaldehyde is a trace material in our environment, and there is no accepted regulatory or common definition of "formaldehyde-free."

<sup>2</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.

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## 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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Arkema Coating Resins  
410 Gregson Dr.  
Cary, NC 27511

Telephone:  
1.800.777.8227

Visit our website:  
[www.arkemacoatingresins.com](http://www.arkemacoatingresins.com)

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