

# ENCOR<sup>®</sup> 413 CS

Acrylic Emulsion Polymer

## Product Benefits

ENCOR<sup>®</sup> 413 CS is an acrylic emulsion polymer specifically developed for use in the polymer modification of portland cement and other hydraulic cement compositions. Cementitious products modified with ENCOR<sup>®</sup> 413 CS latex show improved bond strength to a variety of substrates, including concrete and masonry, wood, and insulating foams. In addition, ENCOR<sup>®</sup> 413 CS improves the flexural and tensile strengths of hydraulic cement concretes. This multi-component acrylic polymer resists saponification and demonstrates good exterior durability with resistance to UV light and moisture.

## Polymer Design

- Acrylic

## Performance Benefits

- Improved bond strength
- Good exterior durability
- Resistant to UV light and moisture

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

Appearance	White, milky liquid
Total Solids, % by weight	46.0 – 48.0
pH Value	9.0 – 10.0
Viscosity, cP (LVT 1# 60rpm @ 20±2°C)	≤100
Density, g/cm <sup>3</sup>	1.05
Freeze-Thaw Stability	Good
Particle Size, microns	0.30
Minimum Filming Temperature, 50% R.H., °C	11
Tg, °C	13

<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 SDS (Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information.

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 SDS(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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