

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 412

### PRODUCT APPLICATION DETAILS

Cement compatibility, alkali resistance, imparts water resistance. ENCOR<sup>®</sup> 412 latex is a non-ammonia version of ENCOR<sup>®</sup> 413 latex and developed for longer open time. ENCOR<sup>®</sup> 412 latex 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> 412 latex show improved bond strength to a variety of substrates, including concrete and masonry, wood, and insulating foams. In addition, ENCOR<sup>®</sup> 412 latex improves the flexural and tensile strengths of hydraulic cement concretes. This multicomponent acrylic polymer resists saponification and demonstrates good exterior durability with resistance to UV light and moisture.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content	47.0 %	-
pH	6.0	-
Viscosity (#3 spindle @ 60 rpm. Brookfield LV) (25+/-2 °C)	50 cP	-

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Minimum film formation temperature	13 °C	-
Glass transition temperature (DSC)	13 °C	-
Density	8.8	-
Average particle size	400 nm	-

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

### MARKETS

#### Building & Construction

- Construction Materials
  - Cement Modifier
  - EIFS

#### Adhesives & Sealants

- Sealants
  - Construction Adhesives & Sealants

# ENCOR® 412

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR® 412 - When storing and handling follow procedures 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 40 to 90 °F (4 -32 °C). Packaged material should be stored indoors in a dry place in the original unopened and undamaged container. Exposure to direct sunlight should be avoided. The product is protected to prevent microbial deterioration during normal storage conditions; however, care should be taken to avoid accidental contamination during subsequent handling and processing. Bulk storage and handling practices are described in the Arkema Latex Storage and Handling Guide. For a copy of this guide contact Arkema.

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