

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 5150

*Acrylic Emulsion*

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 5150 is a cement-compatible acrylic copolymer latex. This product is free from coalescing agents, plasticizers and APE surfactants.

ENCOR<sup>®</sup> 5150 is ideally suited for the modification of mortars and two-component cement compositions for several applications in the field of resurfacing and repairing.

ENCOR<sup>®</sup> 5150 imparts liquid consistency and good workability to the mortars allowing the reduction of the required water during their preparation. Cement mortars prepared with ENCOR<sup>®</sup> 5150 show improved flexural strength and enhanced durability.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	46 - 48 %	ISO 3251
pH	7.5 - 8.5	ISO 976
Viscosity (Brookfield RVT, 100rpm) (23°C)	50 - 100 mPa.s	ISO 2555

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

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Minimum film formation temperature	15 °C	ISO 2115
Glass transition temperature (DSC)	20 °C	-
Density (23°C)	1.07 g/ml	ISO 2811
Average particle size	200 nm	ISO 13321

<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

### PERFORMANCE BENEFITS

- Good adhesion to mineral substrates
- Very good alkali resistance
- Provides improved flexural strength to mortars

# ENCOR® 5150

## FORMULATION GUIDELINES

The use of defoamers is recommended to avoid air entraining during the mortar mixing phase.  
Air cure conditions have to be applied for optimum strength properties.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR® 5150 should be stored indoors in the original, unopened and undamaged container, in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided. The product is protected to prevent any microbial deterioration during normal conditions of storage but care should be taken to avoid accidental contamination during subsequent handling and processing. In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.  
Shelf Life (Months): 6

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