

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 5432

*Styrene acrylic Emulsion*

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 5432 is a self-crosslinking styrene-acrylic latex. This product is free from coalescing agents, plasticizers and APE surfactants.

ENCOR<sup>®</sup> 5432 is mainly used in the formulation of construction adhesives, plasters and renders. This product is particularly recommended for the production of high performance ceramic tile adhesives complying with EN 12004 D2 class.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	49 - 51 %	ISO 3251
pH	7.5 - 8.5	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	1000 - 5000 mPa.s	ISO 2555

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

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Minimum film formation temperature	33 °C	ISO 2115
Glass transition temperature (DSC)	35 °C	-
Density (23°C)	0.98 g/ml	ISO 2811
Average particle size	140 nm	ISO 13321

\*Product formulated without formaldehyde or formaldehyde releasers. During normal conditions of use, this binder does not generate formaldehyde.  
<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 & APPLICATIONS

#### Coatings & Inks

- Architectural Coating
  - Exterior Wall
- Textile & Leather Coating
  - Textile

#### Building & Construction

- Construction Materials
  - Cement Modifier
  - Other Construction Materials
  - Bui Composite Fibers

#### Adhesives & Sealants

- Sealants
  - Construction Adhesives & Sealants

### PERFORMANCE BENEFITS

- High pigment wetting properties
- Formaldehyde Free\*
- Excellent hydrophobicity
- Very good adhesion on mineral substrates

# ENCOR<sup>®</sup> 5432

## FORMULATION GUIDELINES

The MFFT of ENCOR<sup>®</sup> 5432 can be lowered by the addition of suitable coalescing solvents as butyl diglycol acetate or Texanol<sup>™</sup>(1).

Notes: (1) Eastman Chemical Company

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR<sup>®</sup> 5432 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

**Headquarters: Arkema France**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – France  
T +33 (0)1 49 00 80 80

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