

## TECHNICAL DATA SHEET

# ENCOR® 2421

### PRODUCT APPLICATION DETAILS

ENCOR® 2421 is a low viscous styrene acrylic emulsion formulated without alkylphenolethoxylates.

ENCOR® 2421 is a convenient binder for interior and exterior wall paints from high PVC matt paints with excellent scrub resistance to glossy coatings. ENCOR® 2421 shows a high reactivity towards rheology modifiers.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	49 - 51	ISO 3251
pH	8.0 - 8.5	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	500 - 2000	ISO 2555

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

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	20 °C	ISO 2115
Density	1.04 g/ml	ISO 2811
Average particle size	0.1 microns	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

#### Coatings & Inks

- Architectural Coating
  - Exterior Wall
  - Interior Wall
  - Primers
  - Interior Paints
  - Exterior Paints
  - Plasters / Spackles

### PERFORMANCE BENEFITS

- Very high binding power
- Low tackiness
- High gloss potential
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## FORMULATION GUIDELINES

### RHEOLOGY

Rheology and viscosity can be adjusted using associative thickeners, such as Coapur<sup>™</sup> XS 22 <sup>(1)</sup>, Coapur<sup>™</sup> 3025 <sup>(1)</sup>, Rheotech<sup>™</sup> 2000 <sup>(1)</sup> or Rheolate<sup>®</sup> 278 <sup>(2)</sup>. Cellulosic thickeners are also convenient such as Natrosol<sup>®</sup> 250 HR <sup>(3)</sup> or Walocel<sup>™</sup> CRT 1000 PV <sup>(4)</sup>.

### OTHER ADDITIVES

A coalescing agent is necessary to ensure a good film formation at low temperature, Texanol<sup>™</sup> <sup>(5)</sup> or butyldiglycol acetate are suitable. The use of defoamers is recommended, Tego Foamex<sup>®</sup> <sup>(6)</sup> 7447, Foamaster<sup>®</sup> MO 2134 <sup>(7)</sup>, Agitan<sup>®</sup> 281<sup>(8)</sup> have proved to be efficient.

Notes : <sup>(1)</sup> ARKEMA <sup>(2)</sup> Elementis Specialties, <sup>(3)</sup> Ashland Specialty Ingredients, <sup>(4)</sup> Dow Corning Materials, <sup>(5)</sup> Eastman Chemical Company, <sup>(6)</sup> Evonik Tego Chemie, <sup>(7)</sup> BASF, <sup>(8)</sup> Münzing Chemie GmbH

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR<sup>®</sup> 2421 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.

Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

Shelf Life (Months): 6

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