

# ENCOR<sup>®</sup> 2425

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

## Product

### Application details

ENCOR<sup>®</sup> 2425 is a versatile binder formulated without alkylphenolethoxylates or formaldehyde. ENCOR<sup>®</sup> 2425 is a universal binder that is used in the formulation of indoor highly filled matt paints with good scrub resistance, as well as glossy wall paints, outdoor paints and thick textured coatings.

### Performance Benefits

- Very high binding power
- Good resistance to water and alkali

### Polymer Type

- Styrene acrylic Emulsion

### Sales Specifications

Solid Content at 105°C, % (ISO 3251)	49 - 51
pH (ISO 976)	7.5 - 8.5
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	5000 - 9000

### Other Characteristics<sup>1</sup>

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	21
Density / Specific Gravity, g/ml (ISO 2811)	1.04
Average Particle size, nm (ISO 13321)	150

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

### Formulation Guidelines

#### RHEOLOGY

Rheology and viscosity can be adjusted using associative thickeners, such as Coapur<sup>™</sup> XS 22 (1), Coapur<sup>™</sup> 3025 (1), Rheotech<sup>™</sup> 2100 (1) or Rheolate<sup>®</sup> 278 (2). Cellulosic thickeners are also convenient such as Natrosol<sup>®</sup> 250 HR (3) or Walocel<sup>™</sup> CRT 1000 PV (4).

#### OTHER ADDITIVES

A coalescing agent is necessary to ensure a good film formation at low temperature, Texanol<sup>™</sup> (5) or butyldiglycol acetate are suitable.

The use of defoamers is recommended, Tego Foamex<sup>®</sup> (6) 7447, Foamaster<sup>®</sup> MO 2134 (7), Agitan<sup>®</sup> 281(8) and Bevaloid<sup>®</sup> 2514 (9) have proved to be efficient.

*Notes : (1) Coatex (2) Elementis Specialties, (3) Ashland Specialty Ingredients, (4) Dow Corning Materials, (5) Eastman Chemical Company, (6) Evonik Tego Chemie, (7) BASF, (8) Münzing Chemie GmbH, (9) Kemira*

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

ENCOR® 2425 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 6 months from the shipping date

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The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A', 'R', 'K', 'E', and 'M' are in dark blue, while the 'A' at the end is in green.