

ENCOR[®] 2423

ARCHITECTURAL COATINGS



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Product
Application details

ENCOR 2423 is a high viscous versatile binder formulated without alkylphenoethoxylates. ENCOR 2423 is a universal binder that is used in the formulation of indoor highly filled matt paints with excellent scrub resistance, as well as glossy wall paints, outdoor paints, thick textured coatings and silicate based coatings.

Performance
Benefits

- Very high binding power
- Good resistance to water and alkali
- Good compatibility with silicates, silicones and cement

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)	7000 - 14000

Other
Characteristics ¹

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	20
Density / Specific Gravity, g/ml (ISO 2811)	1.04
Average Particle size, nm (ISO 13321)	150
Freeze Thaw Stability, °C (ISO 1147)	- 5

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

RHEOLOGY

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

OTHER ADDITIVES

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

The use of defoamers is recommended, Tego Foamex[®] (6) 7447, Foamaster[®] MO 2134 (7), Agitan[®] 281(8) and Bevaloid[®] 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

Formulation
Guidelines

Product
Safety

Please refer to the corresponding Safety Data Sheet.

Storage &
Handling

ENCOR[®] 2423 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.
