

ENCOR® 2505

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

Product

ENCOR® 2505 is a pure acrylic emulsion formulated without alkylphenoethoxylates.

Application details

ENCOR® 2505 is particularly adapted to the formulation of paints and primers for mineral substrates. Its specific design ensures a very good resistance to alkaline media: its mechanical properties are stable and no embrittlement of the coating is observed upon ageing.

Performance Benefits

- Good adhesion to mineral substrates
- Early water and alkali resistance
- Low MFFT with a good blocking resistance

Polymer Type

- Acrylic Emulsion

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	46 - 48
pH (ISO 976)	7.5 - 9.0
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	100 - 500

Other Characteristics¹

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	6
Density / Specific Gravity, g/ml (ISO 2811)	1.06
Average Particle size, nm (ISO 13321)	150

¹ 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 controlled using associative thickeners, such as Coapur™ 3025 (1), Coapur™ 830 W (1) or Aquaflo® NHS 30 (2). Cellulosic thickeners, namely Natrosol® 250 HHR (2) are also convenient.

OTHER ADDITIVES

ENCOR® 2505 low MFFT offers the possibility to formulate low VOC paints and primers. Nevertheless, the use of a low amount of film forming aid, such as Texanol® (3) is advised for optimal coating properties when applied in severe conditions (low temperature and / or low relative humidity).

The use of defoamers is recommended, Foamaster® MO 2134 (4) has proved to be efficient.

Notes: (1) Coatex, (2) Ashland Specialty Ingredients, (3) Eastman Chemical Company, (4) BASF

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 2505 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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Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - arkemacoatingresins.com

