

ENCOR[®] 2505

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

Product Application details ENCOR[®] 2505 is a pure acrylic emulsion formulated without alkylphenolethoxylates. 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

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See SDS for Health & Safety Considerations.

The products described in the document are not Medical grades designated for Medical Device applications.

Arkema has implemented an internal Medical Policy regarding the use of Arkema products in Medical Devices applications. Arkema has designated Medical grades to be used for Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications. In addition, except for limited cases as determined by the Medical Device Policy, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days.

For any use of Arkema's product in Medical Device applications, please contact Arkema's sales network.

Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - arkemacoatingresins.com

ARKEMA
INNOVATIVE CHEMISTRY