

# ENCOR<sup>®</sup> 2510

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

## Product Application details

ENCOR<sup>®</sup> 2510 is a pure acrylic emulsion formulated without alkyphenolethoxylates. ENCOR<sup>®</sup> 2510 is particularly adapted to the formulation of house paints and architectural universal primers. It is recommended for exterior wood coatings with excellent adhesion to wood and aged alkyds, and long term durability. ENCOR<sup>®</sup> 2510 can also be used in non-yellowing varnishes for the protection of special decorative coatings, such as multi-coloured coatings.

## Performance Benefits

- Excellent wet & dry adhesion to a large variety of substrates (alkyds, concrete, wood, metal...)
- Outstanding exterior durability
- Good water resistance
- Good balance of flexibility and low tackiness
- Non yellowing (adapted to clear formulations)

## Polymer Type

- Acrylic Emulsion

## Sales Specifications

Solid Content at 105°C, % (ISO 3251)	44 - 47
pH (ISO 976)	8.0 - 9.0
Viscosity at 23°C, mPa.s (Brookfield RVT, 100rpm) (ISO 2555)	< 200

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

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	12
Density / Specific Gravity, g/ml (ISO 2811)	1.05
Average Particle size, nm (ISO 13321)	150
Freeze Thaw Stability, °C (ISO 1147)	- 5

<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 controlled using associative thickeners, such as Coapur<sup>™</sup> 3025 (1), Coapur<sup>™</sup> 830 W (1), Rheotech<sup>™</sup> 2100 (1) or Rheolate<sup>®</sup> 278 (2). Cellulosic thickeners, namely Natrosol<sup>®</sup> 250 HHR (3) are also convenient.

### OTHER ADDITIVES

A coalescing agent is necessary to ensure a good film formation at low temperature, Texanol<sup>™</sup> (4) is suitable.

The use of defoamers is recommended, Byk<sup>®</sup>-024 (5) and Foamaster<sup>®</sup> MO 2134 (6) have proved to be efficient.

Notes: (1) Coatex, (2) Elementis Specialties (3) Ashland Specialty Ingredients, (4) Eastman Chemical Company, (5) Byk, (6) BASF

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

ENCOR® 2510 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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