

TECHNICAL DATA SHEET

ENCOR® 2510

Acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR® 2510 is a pure acrylic emulsion formulated without alkylphenolethoxylates.

ENCOR® 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® 2510 can also be used in non-yellowing varnishes for the protection of special decorative coatings, such as multi-coloured coatings.

SALES SPECIFICATIONS

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

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	12 °C	ISO 2115
Density	1.05 g/ml	ISO 2811
Average particle size	150 nm	ISO 13321
Freeze thaw stability	- 5 °C	ISO 1147

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

MARKETS

Coatings & Inks

- Architectural Coating
 - Exterior Wall
 - Primers
 - Trim

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)

ENCOR[®] 2510

FORMULATION GUIDELINES

RHEOLOGY

Rheology and viscosity can be controlled using associative thickeners, such as Coapur[™] 3025 ⁽¹⁾, Coapur[™] 830 W ⁽¹⁾, Rheotech[™] 2100 ⁽¹⁾ or Rheolate[®] 278 ⁽²⁾. Cellulosic thickeners, namely Natrosol[®] 250 HHR ⁽³⁾ are also convenient.

OTHER ADDITIVES

A coalescing agent is necessary to ensure a good film formation at low temperature, Texanol[™] ⁽⁴⁾ is suitable. The use of defoamers is recommended, Byk[®]-024 ⁽⁵⁾ and Foamaster[®] 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

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND 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 from the shipping date.

Shelf Life (Months): 6

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