

TECHNICAL DATA SHEET

ENCOR[®] 2506

Acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR[®] 2506 is a pure acrylic emulsion formulated without alkylphenolethoxylates and is formaldehyde free.

ENCOR[®] 2506 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.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	46 - 48 %	ISO 3251
pH	7.5 - 8.5	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	600 max mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	< 5 °C	ISO 2115
Density	1.02 g/ml	ISO 2811
Average particle size	150 nm	ISO 13321

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
 - Interior Wall
 - Primers
 - Specialty Coatings
 - Trim

PERFORMANCE BENEFITS

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

ENCOR[®] 2506

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[®] 2506 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 AND HANDLING

ENCOR[®] 2506 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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