

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 2710

Acrylic Emulsion

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 2710 is a low MFFT pure acrylic emulsion formulated without alkylphenoltehoxyates or formaldehyde.

ENCOR<sup>®</sup> 2710 is designed for the formulation of stain-blocking paints and primers for wood and walls. Due to its large adhesion profile, ENCOR<sup>®</sup> 2710 is also well adapted to the formulations of multi-substrates architectural primers and renovation wall paints. Its specific composition ensures very good stain blocking properties without the use of zinc oxide: therefore it is easy to formulate stable coatings. To avoid the extraction of watersoluble colored species from the substrate, it is recommended not to use too hydrophilic additives.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	41.5 - 43.5 %	ISO 3251
pH	8.0 - 9.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	200 max mPa.s	ISO 2555

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	4 °C	ISO 2115
Density	1.05 g/ml	ISO 2811
Average particle size	100 nm	ISO 13321

<sup>1</sup>The 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
- Industrial Coating
  - Industrial Wood Finishes

### PERFORMANCE BENEFITS

- Good stain-blocking properties (tannins, nicotine...)
- Good adhesion onto alkyd painted surfaces, wood, ceramic...

# ENCOR® 2710

## FORMULATION GUIDELINES

### RHEOLOGY

Rheology and viscosity can be controlled using associative thickeners, such as Coapur™ 830 W <sup>(1)</sup>, Rheolate 678® <sup>(2)</sup> or Aquaflo® NHS 300 <sup>(3)</sup>.

### OTHER ADDITIVES

ENCOR® 2710 low MFFT offers the possibility to formulate low VOC paints and primers. Nevertheless, the use of a low amount of non-hydrophilic film forming aid, such as Texanol® <sup>(4)</sup> 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 <sup>(5)</sup> has proved to be efficient.

Notes: <sup>(1)</sup> Coatex, <sup>(2)</sup> Elementis Specialties, <sup>(3)</sup> Ashland Specialty Ingredients, <sup>(4)</sup> Eastman Chemical Company, <sup>(5)</sup> BASF

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR® 2710 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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