

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 2787

*Acrylic Emulsion*

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 2787 is a modified hydrophobic pure acrylic binder formulated without alkylphenolethoxylates and formaldehyde releaser free.

ENCOR<sup>®</sup> 2787 is a high performance emulsion which demonstrates an outstanding water resistance and hydrophobicity. It is particularly adapted to the formulation of premium paints for exterior masonry with an excellent durability and adhesion.

ENCOR<sup>®</sup> 2787 stands out because of the versatility of its wide formulation range. It is well adapted to interior walls paints with an excellent stain resistance / washability, durable wood coatings and low whitening mosaic plasters.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	46 - 48 %	ISO 3251
pH	8,0 - 9,0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	< 1000 mPa.s	ISO 2555

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

	CHARACTERISTICS	METHODS
Minimum film formation temperature	15 °C	ISO 2115
Density	1.04 g/ml	ISO 2811
Average particle size	< 150 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
  - Stains

### PERFORMANCE BENEFITS

- Outstanding water resistance and very low water whitening
- Excellent exterior durability
- Low dirt pick up
- Alkali resistant
- Easy to clean and stain resistant
- Good hardness development
- Wide range of formulation

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## FORMULATION GUIDELINES

### RHEOLOGY

In order to obtain a good balance of water resistance, mechanical performances and thickening efficiency we recommend to control the rheology of the coatings with associative thickeners.

Recommended associative thickeners: Coapur 830W <sup>(1)</sup>, Coapur 3025 <sup>(1)</sup>, Coapur XS 83 <sup>(1)</sup>, Aquaflo NMS-450 <sup>(2)</sup> and Rheolate 255 <sup>(3)</sup>. Associative thickeners will perform better for water resistance.

### FILM FORMATION

It is recommended to use coalescing agents in order to obtain a perfect film formation and an excellent water resistance. In order to ease the film formation at low temperature, we recommend to incorporate 3% to 5% of Texanol <sup>(4)</sup> or Dowanol DPnB <sup>(5)</sup> or Coasol 290 Plus <sup>(6)</sup> or Butylene glycol.

Notes: <sup>(1)</sup> Coatex, <sup>(2)</sup> Ashland Specialty Ingredients, <sup>(3)</sup> Elementis, <sup>(4)</sup> Eastman, <sup>(5)</sup> DOW, <sup>(6)</sup> Chemoxy

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR<sup>®</sup> 2787 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 Durability (Months): 6

**Headquarter: Arkema France**  
420, rue d'Estienne d'Orves  
92705 Colombes Cedex – France  
T +33 (0)1 49 00 80 80

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