

## TECHNICAL DATA SHEET

**ENCOR® 2787***Acrylic Emulsion***PRODUCT APPLICATION DETAILS**

ENCOR® 2787 is a modified hydrophobic pure acrylic binder formulated without alkylphenoletoxylates and formaldehyde releaser free.

ENCOR® 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® 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
  - Other Architectural Coating

**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

# ENCOR® 2787

## FORMULATION GUIDELINES

### RHEOLOGY

Rheology and viscosity can be controlled using associative thickeners. Coapur XS 12<sup>(1)</sup>, Coapur 2501<sup>(1)</sup> and Coapur 2502<sup>(1)</sup> were amongst the best rheology modifiers to achieve a good balance of application properties. Coapur XS 71<sup>(1)</sup> can also be used to boost low shear viscosity.

### <u>FILM FORMATION</u></b>

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>(2)</sup> or Dowanol DPnB<sup>(3)</sup> or Coasol 290 Plus<sup>(4)</sup> or Butylene glycol.

Notes: <sup>(1)</sup> Coatex, <sup>(2)</sup> Eastman, <sup>(3)</sup> DOW, <sup>(4)</sup> Chemoxy

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR® 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 (Months): 6

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