

ENCOR[®] 2787

ARCHITECTURAL COATINGS

(FORMERLY ENCOR[®] E21087)

ARKEMA COATING RESINS

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

Product Application details

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.

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

Polymer Type

- Acrylic Emulsion

Sales Specifications

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

Other Characteristics¹

| | |
|---|-------|
| Minimum Film Formation Temperature, °C (ISO 2115) | 15 |
| Density / Specific Gravity, g/ml (ISO 2811) | 1,04 |
| Average Particle size, nm (ISO 13321) | < 150 |

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

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 (1), Coapur 3025 (1), Coapur XS 83 (1), Aquaflow NMS-450 (2) and Rheolate 255 (3). 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 (4) or Dowanol DPnB (5) or Coasol 290 Plus (6) or Butylene glycol.

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

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & 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 6 months from the shipping date

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