

TECHNICAL DATA SHEET

ENCOR[®] 2797 MB (Formerly E21097)

Acrylic Emulsion



49% bio-attributed carbon content through Mass Balance
Lower product carbon footprint



APEO-free, No added formaldehyde



Suitable for solvent-free and coalescent-free formulations

PRODUCT APPLICATION DETAILS

ENCOR[®] 2797 MB is a 49% bio-attributed version of ENCOR[®] 2797 through mass balance. It is a pure acrylic binder formulated without alkylphenolethoxylates and formaldehyde releaser free. ENCOR[®] 2797 MB is particularly adapted to the formulation of paints for exterior masonry with a specific design to ensure a very good water and alkali resistance. ENCOR[®] 2797 MB is suitable for wall and wood formulation, interior and exterior, with excellent performances for stains resistance.

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)	< 2000 mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Minimum film formation temperature	5 °C	ISO 2115
Density	1.04 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 & APPLICATIONS

COATINGS & INKS

- ARCHITECTURAL COATING
 - EXTERIOR WALL
 - INTERIOR WALL
 - SPECIALTY COATINGS
 - STAINS
 - WOOD COATINGS & WOODSTAINS
 - FACADE PAINTS

PERFORMANCE BENEFITS

- Exterior durability, low dirt pick up
- Excellent performances for stains resistance
- Alkali resistance
- Good balanced properties: fast hardness development and good mechanical properties

ENCOR[®] 2797 MB

(Formerly E21097)

FORMULATION GUIDELINES

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

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR[®] 2797 MB 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

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790