ENCOR®

TECHNICAL DATA SHEET

ENCOR® 2100 MB

Styrene acrylic Emulsion

95% bio-attributed carbon content through Mass Balance
Lower product carbon footprint

APEO-free, No added formaldehyde

PRODUCT APPLICATION DETAILS

ENCOR® 2100 MB is an 95% bio-attributed version of ENCOR® 2100 through mass balance. Styrene acrylic emulsion formulated without alkylphenolethoxylates; it is ammonia-, solvent- and plasticizer-free. ENCOR® 2100 MB is a convenient binder for low VOC and low odour interior and exterior paints and plasters and for silicate based coatings. According to its mechanical and hydrophobic properties, this binder is also suitable for nonwoven and technical textiles.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	49 - 51 %	ISO 3251
pH	7.0 - 8.5	ISO 976
Viscosity (Brookfield RVT, 20rpm) (23°C)	500 - 2500 mPa.s	ISO 2555

OTHER CHARACTERISTICS[1]

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	0 °C	ISO 2115
Density	1.03 g/ml	ISO 2811
Average particle size	150 nm	ISO 13321
Freeze thaw stability	-5 °C	ISO 1147

[1] The 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
  - ELASTOMERIC WALL PAINTS
  - EXTERIOR WALL
  - INTERIOR WALL
  - PRIMERS
  - PLASTERS / SPACKLES
- TEXTILE & LEATHER COATING
  - NON WOVEN
  - TEXTILE

PERFORMANCE BENEFITS

- Low MFFT and high binding power
- Flexibility and good durability
- Compatibility with silicates

ENCOR® 2100 MB

FORMULATION GUIDELINES

RHEOLOGY Rheology and viscosity can be ajusted using associative thickeners, such as Coapur™ XS 22 [1], Coapur™ 3025 [1], Rheotech™ 2800 [1] or Rheolate® 278 [2]. Cellulosic thickeners are also convenient such as Natrosol® 250 HR [3] or Walocel™ CRT 1000 PV [4]. **OTHER ADDITIVES** The use of defoamers is recommended, Foamaster® MO 2134 [5], FoamStar ED 2522® [5], Agitan® 281 [6] have proved to be efficicent. Notes: [1] Coatex [2] Elementis Specialties [3] Ashland Specialty Ingredients [4] Dow Corning Materials [5] BASF [6] Münzing Chemie GmbH

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR® 2100 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

arkema.com