ENCOR®

TECHNICAL DATA SHEET

ENCOR® 2140

Acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR® 2140 is a pure acrylic emulsion formulated without alkylphenol ethoxylates and formaldehyde. ENCOR® 2140 is to be used as binder for high quality exterior paints.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	59 - 61 %	ISO 3251
pH	8.0 - 9.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	2000 - 6000 mPa.s	ISO 2555

OTHER CHARACTERISTICS[1]

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	6 °C	ISO 2115
Density	1.09 g/ml	ISO 2811
Average particle size	350 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
  - EXTERIOR WALL
  - INTERIOR WALL
  - SPECIALTY COATINGS
- TEXTILE & LEATHER COATING
  - LEATHER

PERFORMANCE BENEFITS

- High UV resistance and exterior durability
- High solid contents

ENCOR® 2140

FORMULATION GUIDELINES

RHEOLOGY
Rheology and viscosity can be adjusted using associative thickeners, such as Coapur™ 830 W [1] or Rheolate® 278 [2]. Cellulosic thickeners are also adapted, namely Natrosol® 250 HHR [3].
OTHER ADDITIVES
Despite its low MFFT, coalescing agents, such as Texanol® [4] can be added to the formulation in order to improve the film formation, especially when applied in drastic conditions (low temperature and / or low relative humidity).
The use of defoamers can be recommended, Foamaster® MO 2134 [5] has proved to be efficient.

Notes: [1] Coatex, [2] Elementis Specialties, [3] Ashland Specialty Ingredients, [4] Eastman Chemical Company, [5] BASF

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR® 2140 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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