

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 2144

*Acrylic Emulsion*

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 2144 is a fine particle size plasticizer- and solvent-free pure acrylic emulsion formulated without alkylphenolethoxylates. ENCOR<sup>®</sup> 2144 is recommended for the formulation of solvent- free primers and groundings e. g. adsorbent substrate and chalking paints. Its very low particle size ensures a good penetration into the porous substrate and consolidates it. ENCOR<sup>®</sup> 2144 should be diluted to 15 % solid content using water.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	29 - 31 %	ISO 3251
pH	7.0 - 9.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	80 max mPa.s	ISO 2555

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	
Minimum film formation temperature	0 °C	DIN 53787
Density	1.04 g/ml	ISO 2811
Average particle size	40 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
  - Primers
  - Specialty Coatings
- Flooring
  - Floor Polish & Floor Coatings

# ENCOR<sup>®</sup> 2144

## FORMULATION GUIDELINES

### ADDITIVES

The use of defoamers is recommended, FoamStar<sup>®</sup> SI 2227 <sup>(1)</sup> or Agitan<sup>®</sup> E 255 <sup>(2)</sup> have proved to be efficient. Whilst ENCOR<sup>®</sup> 2144 is in itself protected from bacteriological attack, the finished product should be protected against bacteria by the introduction of a sufficient quantity of a saltfree biocide such as Acticide<sup>®</sup> LG <sup>(3)</sup>. The pH-value of the finished product should be approx. 8.5.

Notes: <sup>(1)</sup> BASF, <sup>(2)</sup> Münzing Chemie GmbH, <sup>(3)</sup> Thor Specialties Inc.

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR<sup>®</sup> 2144 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 Durability (Months): 6

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