

TECHNICAL DATA SHEET

ENCOR® 2124

Acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR® 2124 is an acrylic emulsion for wood stains and high gloss pigmented DIY-lacquers with good blocking resistance, low water absorption and excellent durability. ENCOR® 2124 is formulated without alkylphenolethoxylates.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	42 - 44 %	ISO 3251
pH	7.0 - 8.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	50 max mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A	-
Minimum film formation temperature	3 °C	ISO 2115
Density	1.06 g/ml	ISO 2811
Average particle size	80 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
 - Primers
 - Specialty Coatings
 - Stains
 - Trim
 - Architectural Wood
- Flooring
 - Floor Polish & Floor Coatings
- Industrial Coating
 - Industrial Wood Finishes
- Textile & Leather Coating
 - Textile

Adhesives & Sealants

- Sealants
 - Construction Adhesives & Sealants

FORMULATION GUIDELINES

ADDITIVES

ENCOR[®] 2124 is compatible with the common additives. The best results were found with :

Defoamer: Tego foamex[®] 1488 ⁽¹⁾, Serdas GE 4050 ⁽²⁾

Wetting agent: SOJA-LECITHIN W-250 ⁽³⁾, SER AD FA 607 ⁽⁴⁾

Thickener: Tafigel[®] PUR 40 ⁽⁵⁾, RHEOTECH[™] 2000 ⁽⁶⁾

Film forming aids: Propylene glycol, Methoxy butanol, Dowanol[®] PM ⁽⁷⁾, Dowanol[®] TPM ⁽⁷⁾, Dowanol[®] DPM ⁽⁷⁾ Dowanol[®] DMM ⁽⁷⁾, Lusolvan[®] FBH ⁽⁸⁾, Texanol[™] ⁽⁹⁾

The finished product should be protected against bacteria by the addition of a sufficient quantity of a saltfree biocide such as Acticide[®] LG ⁽¹⁰⁾.

Notes

⁽¹⁾ Evonik Tego Chemie GmbH, ⁽²⁾ Elementis Specialties, ⁽³⁾ Lubrizol Advanced Materials Inc., ⁽⁴⁾ Condea Servo, ⁽⁵⁾ MÜNZING Chemie GmbH, ⁽⁶⁾ Coatex, ⁽⁷⁾ Dow, ⁽⁸⁾ BASF, ⁽⁹⁾ Eastman Chemical Company, ⁽¹⁰⁾ Thor Specialties Inc.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR[®] 2124 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.

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

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