

TECHNICAL DATA SHEET

ENCOR[®] 2455

Acrylic dispersion

PRODUCT APPLICATION DETAILS

ENCOR[®] 2455 is a hard polymer that provides films with good water and solvent resistances. Due to its low particle size, ENCOR[®] 2455 has good penetration and wetting ability on wood. ENCOR[®] 2455 is formulated without alkylphenolethoxylates. ENCOR[®] 2455 is used as vehicle in industrial wood stains. It is also used in formulations for metal primers.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	40 - 42 %	ISO 3251
pH	6.0 - 7.0	ISO 976
Viscosity (Brookfield RVT, 100rpm) (23°C)	50 - 150 mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A	-
Minimum film formation temperature	60 °C	ISO 2115
Glass transition temperature (DSC)	62 °C	-
Density	1.03 g/ml	ISO 2811
Average particle size	90 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

Composites & Advanced Materials

- Thermoplastics
- Others Thermoplastics

Coatings & Inks

- Architectural Coating
 - Interior Wall
- Industrial Coating
 - Wood Furniture
 - Industrial Wood Finishes
- Textile & Leather Coating
 - Leather

ENCOR[®] 2455

FORMULATION GUIDELINES

ADDITIVES

To improve film formation solvents such as butyldiglycol, Texanol[®] ⁽¹⁾ or Dowanol[®] DPnB ⁽²⁾ can be added. In presence of strong coalescent, stability may be improved with the addition of non-ionic surfactants such as Disponil[®] A3065 ⁽³⁾ or Emulan[®] TO 3080 ⁽³⁾.

ENCOR[®] 2455 can be used in combination with a softer binder such as ENCOR[®] 2423.

Notes: ⁽¹⁾ Eastman Chemical Company, ⁽²⁾ Dow, ⁽³⁾ BASF

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR[®] 2455 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.

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