

ENCOR[®] 2455

INDUSTRIAL WOOD

ARKEMA COATING RESINS

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.

Polymer Type

- Styrene acrylic Emulsion

Sales Specifications

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

Other Characteristics¹

Stabilizing system	A
Minimum Film Formation Temperature, °C (ISO 2115)	60
Tg (DSC), °C	62
Density / Specific Gravity, g/ml (ISO 2811)	1.03
Average Particle size, nm (ISO 13321)	90

¹ The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

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 & 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.

Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

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See SDS for Health & Safety Considerations.

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