

ENCOR[®] 2229

INDUSTRIAL WOOD

ARKEMA COATING RESINS

Product Application details

ENCOR[®] 2229 is an alkali-soluble pure acrylic emulsion formulated without alkylphenolethoxylates, studied for the formulation of pigmented fillers for hardboard. When solubilised, it has a very high capability to disperse pigments and fillers; therefore highly pigmented roller applied sealers can be formulated. ENCOR[®] 2229 has fast drying and hardening properties. It can be immediately recoated when applied in lines with infrared or convection ovens.

Polymer Type

- Acrylic Emulsion

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	49 - 51
pH (ISO 976)	4.0 - 5.0
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	200 max

Other Characteristics¹

Stabilizing system	A
Minimum Film Formation Temperature, °C (ISO 2115)	10
Density / Specific Gravity, g/ml (ISO 2811)	1.08
Average Particle size, nm (ISO 13321)	125

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

ENCOR[®] 2229 must be neutralised with alkalis till a clear solution has been obtained (pH 8.5 - 9).

The usual neutralising agent is ammonia, but the use of small amounts of amines as buffers is recommended to maintain the pH and the viscosity stability in the roller machines.

Next step after neutralisation is the addition of pigments and extenders.

A good compromise between transfer efficiency, drying, stability in roller machines and early water resistance must be achieved by accurate balance of the quantities of neutralising agents, coalescents and co-solvents.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR[®] 2229 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 6 months from the shipping date

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