

ENCOR® 2401

GENERAL INDUSTRY

ARKEMA COATING RESINS

Product Application details

ENCOR® 2401 is a functional styrene-acrylic polymer emulsion, suitable to formulate metal primers (maintenance and general industry) exhibiting superior protective properties and lasting adhesion to metal.

ENCOR® 2401 is formulated without alkylphenoethoxylates.

Polymer Type

- Styrene acrylic Emulsion

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	42 - 44
pH (ISO 976)	7.5 - 8.5
Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp4) (ISO 2555)	5000 max

Other Characteristics¹

Minimum Film Formation Temperature, °C (ISO 2115)	40
Density / Specific Gravity, g/ml (ISO 2811)	1.04
Average Particle size, nm (ISO 13321)	120

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

Formulation Guidelines

RHEOLOGY

Associative thickeners like Aquaflow® NLS 205 (1) or Aquaflow® NHS 300 (1) have proven to be effective. Type and dosage will be selected to get a flow behaviour suitable for the application method.

OTHER ADDITIVES

ENCOR® 2401 must be coalesced with solvents like Texanol™ (2), butyl diglycol acetate or Dowanol® DPnB (3) to ensure proper film formation.

ENCOR® 2401 can be pigmented with active pigment like HEUCOPHOS® ZCPP (4) to achieve efficient metal protection.

On activated substrate, an anti flash rust additive might be necessary to boost its built-in flash rusting resistance.

Notes: (1) Ashland Specialty Ingredients, (2) Eastman Chemical Company, (3) Dow, (4) Heubach GmbH

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 2401 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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