ENCOR® 2100

ARCHITECTURAL COATINGS / TEXTILE & NONWOVENS **ARKEMA COATING RESINS**

Product Application details

ENCOR® 2100 is a styrene acrylic emulsion formulated without alkylphenolethoxylates; it is ammonia-, solvent- and plasticizer-free.
ENCOR® 2100 is a convenient binder for low VOC and low odour interior and exterior paints and plasters and for silicate based coatings.
According to its mechanical and hydrophobic properties, this binder is also suitable for non-woven and technical textiles.

Performance Benefits

- Low MFFT and high binding power
- Flexibility and good durability
- Compatibility with silicates

Polymer Type

- Styrene acrylic Emulsion

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	49 - 51
pH (ISO 976)	7.0 - 8.5
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	500 - 2500

Other Characteristics[1]

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	0
Density / Specific Gravity, g/ml (ISO 2811)	1.03
Average Particle size, nm (ISO 13321)	150
Freeze Thaw Stability, °C (ISO 1147)	- 5

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

Rheology and viscosity can be ajusted using associative thickeners, such as Coapur™ XS 22 (1), Coapur™ 3025 (1), Rheotech™ 2100 (1) or Rheolate® 278 (2). Cellulosic thickeners are also convenient such as Natrosol® 250 HR (3) or Walocel™ CRT 1000 PV (4).

OTHER ADDITIVES

The use of defoamers is recommended, Foamaster® MO 2134 (5), FoamStar ED 2522® (5), Agitan® 281 (6) have proved to be efficicent.

Notes: (1) Coatex (2) Elementis Specialties (3) Ashland Specialty Ingredients (4) Dow Corning Materials (5) BASF (6) Münzing Chemie GmbH

Product Safety	Please refer to the corresponding Safety Data Sheet.
Storage & Handling	ENCOR® 2100 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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