

ENCOR[®] 2100

Architectural Coatings

Product Application details	ENCOR [®] 2100 is a styrene acrylic emulsion formulated without alkylphenol-ethoxylates; 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.	
Performance Benefits	<ul style="list-style-type: none"> • Low MFFT and high binding power • Flexibility and good durability • Compatibility with silicates 	
Polymer Type	<ul style="list-style-type: none"> • Styrene Acrylic Emulsion 	
Sales Specifications	Solid Content at 105°C, % (ISO 3251)	49.0 – 51.0
	pH (ISO 976)	7.0 – 8.5
	Viscosity at 23°C, mPa.s (Brookfield LV 3# , 20rpm) (ISO 2555)	500 – 2500
Other Characteristics¹	Stabilizing system	A/NI
	Minimum Filming Temperature, °C (ISO 2115)	0
	Density, g/cm ³ (ISO 2811)	1.03
	Average Particle size, microns (ISO 13321)	0.15
	Freeze Thaw Stability, °C (ISO 1147)	13
<small>¹ The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.</small>		
Formulation Guidelines	<p>RHEOLOGY Rheology and viscosity can be adjusted 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).</p> <p>OTHER ADDITIVES The use of defoamers is recommended, Foamaster[®] 8034 (5), Dehydran[®] SE 2 (5), Agitan[®] 281 (6) have proved to be efficient.</p>	
<small>Notes: (1) Coatex (2) Elementis Specialties (3) Ashland Specialty Ingredients (4) Dow Corning Materials (5) Cognis (6) Münzing Chemie GmbH</small>		

**Product
Safety**

Please refer to the corresponding Safety Data Sheet.

**Storage and
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 by a bactericide in small amount but should better be kept off from accidental bacterial attack.
Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.



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