

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 1345 S

*Vinyl acrylic dispersion*

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 1345 S is a self-crosslinking vinyl-acrylic binder, free from APE surfactants. Drying the product over its minimum film forming temperature, a transparent, very rigid and tack-free film is obtained.

ENCOR<sup>®</sup> 1345 S is recommended for use in the following applications :

- Bonding of nonwovens and wadd, where it provides good overall resistance
- Applications where high frequency sealing is required

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content	44 - 46 %	ISO 3251
pH	3.0 - 4.5	ISO 976
Viscosity (Brookfield RVT, 100rpm, sp2) (23°C)	40 - 100 mPa.s	ISO 2555

### OTHER CHARACTERISTICS<sup>1</sup>

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Glass transition temperature (DSC)	36 °C	-
Density	1.09 g/ml	ISO 2811
Average particle size	230 nm	ISO 13321

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

### MARKETS

#### Coatings & Inks

- Textile & Leather Coating
  - Leather
  - Non Woven
  - Textile

#### Building & Construction

- Construction Materials
  - Other Fibers
  - Bui Composite Fibers

### PERFORMANCE BENEFITS

- High resiliency
- Provides to the nonwoven good dry & wet strength
- Good compatibility with fire retardants

# ENCOR® 1345 S

## FORMULATION GUIDELINES

ENCOR® 1345 S has proven to be compatible with phosphate based flame retardants.  
ENCOR® 1345 S is self-crosslinking, at a speed depending on temperature (from 120°C up to 160°C) and nature of the catalyst(s) used.

The best curing conditions are described in the table below:

CATALYST	AMOUNT	TIME	TEMPERATURE
None	-	3 min	160°C
Ammonium chloride (25% solution)	2%	1 – 3 min	145°C
Oxalic acid (25% solution)	2%	3 – 4 min	130°C

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR® 1345 S 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 from the shipping date.

Shelf Life (Months): 6

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