

## TECHNICAL DATA SHEET

# ENCOR® 4516

Acrylic Emulsion

### PRODUCT APPLICATION DETAILS

ENCOR® 4516 is a high solids pure acrylic binder, free from solvents, plasticizers and APE surfactants.

ENCOR® 4516 is ideally suited for the formulation of low emission floor covering adhesives, compliant with Emission EC1 classification. Due to its specific composition, ENCOR® 4516 allows to produce glues for different types of floor covers such as PVC, linoleum, rubber and carpet.

### SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	59 - 61 %	ISO 3251
pH	7.0 - 8.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	1000 - 3000 mPa.s	ISO 2555

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

	CHARACTERISTICS	METHODS
Stabilizing system	A/NI	-
Minimum film formation temperature	< 1 °C	ISO 2115
Glass transition temperature (DSC)	-27 °C	-
Density (23°C)	1.03 g/ml	ISO 2811
Average particle size	450 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

- Flooring
  - Floor Polish & Floor Coatings
- Textile & Leather Coating
  - Textile

#### Building & Construction

- Construction Materials
  - Flexible Flooring Adhesives

#### Adhesives & Sealants

- Sealants
  - Construction Adhesives & Sealants

### PERFORMANCE BENEFITS

- High solids
- Allows the formulation of Emission EC1 compliant glues

# ENCOR<sup>®</sup> 4516

## PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

## STORAGE AND HANDLING

ENCOR<sup>®</sup> 4516 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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