

## TECHNICAL DATA SHEET

# ENCOR<sup>®</sup> 1248 S

*Acrylic dispersion*

### PRODUCT APPLICATION DETAILS

ENCOR<sup>®</sup> 1248 S is a self-crosslinking 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.

Thanks to the well balanced softness it provides, ENCOR<sup>®</sup>1248 S is ideally suited for the production of melaminated papers.

### SALES SPECIFICATIONS

|   | CHARACTERISTICS | METHODS  |
|---|-----------------|----------|
| Solid content (105°C)                     | 44 - 46 %       | ISO 3251 |
| pH  | 4.0 - 5.0       | ISO 976  |
| Viscosity (Brookfield RVT, 100rpm) (23°C) | 40 - 100 mPa.s  | ISO 2555 |

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

|                                    | CHARACTERISTICS | METHODS   |
|------------------------------------|-----------------|-----------|
| Stabilizing system                 | A / NI          | -         |
| Glass transition temperature (DSC) | 13 °C           | -         |
| Density                            | 1.07 g/ml       | ISO 2811  |
| Average particle size              | 140 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

#### Water Management

- Water Treatment
  - Filtration Fibers

#### Sports & Leisure

- Textile & Leather
  - Specialty Nonwovens

#### Coatings & Inks

- Textile & Leather Coating
  - Non Woven
  - Textile

#### Building & Construction

- Construction Materials
  - Bui Composite Fibers

### PERFORMANCE BENEFITS

- Good overall resistance

# ENCOR® 1248 S

## FORMULATION GUIDELINES

ENCOR® 1248 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® 1248 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

**Headquarters: Arkema France**  
51, Esplanade du Général de Gaulle  
92800 Puteaux – France  
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.  
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

**ARKEMA**