

ENCOR[®] 1432 S

TEXTILE & NONWOVENS

ARKEMA COATING RESINS

ENCOR[®] 1432 S is a self-crosslinking, styrene-acrylic binder, free from formaldehyde and APE surfactants.

Product

Application details

ENCOR[®] 1432 S is recommended for the bonding of nonwovens, where it demonstrates a very good mechanical resistance in dry and wet (water, alkali) conditions. This product is especially recommended for the bonding of glass fibre nonwovens.

Performance Benefits

- Formaldehyde free *
- High bonding strength
- Excellent resistance to water & alkali
- Very good blocking resistance

* product formulated without formaldehyde or formaldehyde releasers. During normal conditions of use, this binder does not generate formaldehyde

Polymer Type

- Styrene-acrylic Copolymer

Sales Specifications

Solid Content % (ISO 3251)	49 - 51
pH (ISO 976)	7.5 - 8.5
Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp4) (ISO 2555)	1000 - 5000

Other Characteristics¹

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	33
Tg (DSC), °C	35
Density / Specific Gravity at 23°C, g/ml (ISO 2811)	0.98
Average Particle size, nm (ISO 13321)	150

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

Formulation Guidelines

To get the best efficiency from the self-crosslinking ability of ENCOR[®] 1432 S, a thermal treatment at 130°C is recommended.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 1432 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 6 months from the shipping date

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The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A', 'R', 'K', 'E', and 'M' are in dark blue, while the 'A' at the end is in green.