

TECHNICAL DATA SHEET

ENCOR[®] 1432 S

Styrene acrylic dispersion



Formaldehyde-free*

PRODUCT APPLICATION DETAILS

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

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

This product is especially recommended for the bonding of glass fibre nonwovens.

SALES SPECIFICATIONS

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

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Minimum film formation temperature	33 °C	ISO 2115
Glass transition temperature (DSC)	35 °C	-
Density	0.98 g/ml	ISO 2811
Average particle size	150 nm	ISO 13321

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

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

MARKETS & APPLICATIONS

Coatings & Inks

- Textile & Leather Coating
 - Non Woven
 - Textile

Building & Construction

- Construction Materials
 - Other Construction Materials
 - Other Fibers
 - Bui Composite Fibers

PERFORMANCE BENEFITS

- High bonding strength
- Excellent resistance to water & alcali
- Very good blocking resistance

ENCOR[®] 1432 S

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 AND 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 from the shipping date.

Shelf Life (Months): 6

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