

ENCOR® 1432 S

TEXTILE & NONWOVENS

ARKEMA COATING RESINS

ENCOR® 1432 S is a formaldehyde free¹ self-crosslinking styrene-acrylic dispersion, without APEO surfactants nor solvents.

Product Application details

ENCOR® 1432 S is recommended for the bonding of glass fibres and nonwovens, where it shows good mechanical properties in dry and wet conditions.

ENCOR® 1432 S is also suggested for textile hydrophobic finishing for automotive applications and for the construction industry.

Performance Benefits

- Formaldehyde free ¹
- Hydrophobic polymer with excellent water and alkali resistance
- Stiff hand polymer
- Strong affinity to mineral substrates and glass fibers

¹ product designed 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
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pH (ISO 976)	7.5 - 8.5
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Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp4) (ISO 2555)	1000 - 5000
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Other Characteristics²

Stabilizing system	A / NI
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Minimum Film Formation Temperature, °C (ISO 2115)	33
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Tg (DSC), °C	35
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Density / Specific Gravity at 23°C, g/ml (ISO 2811)	0.98
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Average Particle size, nm (ISO 13321)	150
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² The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

Formulation Guidelines

ENCOR® 1432 S crosslinks at an extent that is function of the thermal treatment.

Depending on the speed and the length of the industrial line we suggest a curing temperature ranging between 135 and 170°C.

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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Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - arkemacoatingresins.com

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