

# ENCOR<sup>®</sup> 5340

CONSTRUCTION

ARKEMA COATING RESINS

ENCOR<sup>®</sup> 5340 is a vinyl acetate homopolymer binder, stabilized with polyvinyl alcohols. This product is free from APE surfactants and is modified with a phthalate-free plasticizer.

## Product Application details

ENCOR<sup>®</sup> 5340 is ideally suited for the modification of cement based compounds such as mortars and grouts to increase their mechanical properties (flexural strength), adhesion to mineral substrates and freeze-thaw resistance.

ENCOR<sup>®</sup> 5340 imparts good workability to the mortars allowing the reduction of the required water during their preparation.

## Performance Benefits

- Excellent adhesion to mineral substrates
- Provides improved flexural strength to mortars
- Freeze-thaw stability

## Polymer Type

- Vinyl Acetate Homopolymer

## Sales Specifications

Solid Content at 80°C, % (ISO 3251)	50 - 53
pH (ISO 976)	4.0 - 6.0
Viscosity at 23°C, mPa.s (Brookfield RVT, 20rpm, sp6) (ISO 2555)	14000 - 19000

## Other Characteristics<sup>1</sup>

Stabilizing system	PVOH
Minimum Film Formation Temperature, °C (ISO 2115)	12
Tg (DSC), °C	30
Density / Specific Gravity at 23°C, g/ml (ISO 2811)	1.08
Average Particle size, µm (ISO 13321)	1.0

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

## Formulation Guidelines

The use of defoamers is recommended to avoid air entraining during the mortar mixing phase. Air cure conditions have to be applied for optimum strength properties.

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

ENCOR® 5340 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.

Under the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date.

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See SDS for Health & Safety Considerations.

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