

TECHNICAL DATA SHEET

ENCOR[®] 5340

PRODUCT APPLICATION DETAILS

ENCOR[®] 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.

ENCOR[®] 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[®] 5340 imparts good workability to the mortars allowing the reduction of the required water during their preparation.

SALES SPECIFICATIONS

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

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	PVOH	-
Minimum film formation temperature	12 °C	ISO 2115
Glass transition temperature (DSC)	30 °C	-
Density (23°C)	1.08 g/ml	ISO 2811
Average particle size	1.0 microns	ISO 13321

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

MARKETS

Building & Construction

- Construction Materials
 - Cement Modifier

PERFORMANCE BENEFITS

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

ENCOR® 5340

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.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND 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. 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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