

TECHNICAL DATA SHEET

ENCOR[®] 5525

Styrene acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR[®] 5525 is a cement-compatible styrene-acrylic latex. This product is free from coalescing agents, plasticizers and APE surfactants.

ENCOR[®] 5525 is ideally suited for the modification of mortars and two-component cement-based compositions for several applications in the field of surfacing, repairing repairing mortars, primers and adhesives

ENCOR[®] 5525 imparts liquid consistency and good workability to the mortars allowing a remarkable reduction of the required water during their preparation. Mortars modified with ENCOR[®] 5525 shows a newtonian rheological behaviour. Flexural strength, adhesion, water resistance and durability are then strongly enhanced.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	49 - 51 %	ISO 3251
pH	7.5 - 8.5	ISO 976
Viscosity (Brookfield RVT, 100rpm) (23°C)	200 - 500 mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Minimum film formation temperature	15 °C	ISO 2115
Glass transition temperature (DSC)	16 °C	-
Density (23°C)	1.02 g/ml	ISO 2811
Average particle size	250 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

Building & Construction

- Construction Materials
 - Cement Modifier
 - Other Construction Materials

PERFORMANCE BENEFITS

- Formaldehyde free*
- No ammonia release
- Provides liquid consistency at very low Water / Cement ratio
- Excellent adhesion to mineral substrates

ENCOR[®] 5525

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[®] 5525 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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