

ENCOR[®] 5127

CONSTRUCTION

ARKEMA COATING RESINS

ENCOR[®] 5127 is a high solids, cement-compatible modified acrylic latex. This product is free from coalescing agents, plasticizers and APE surfactants.

Product Application details

ENCOR[®] 5127 is ideally suited for the modification of Portland cement and other hydraulic binder systems.

Suggested applications are protective and waterproofing mineral coatings. It can also be used in the formulation of two component water resistant flexible tile adhesives.

ENCOR[®] 5127 imparts liquid consistency and good workability to the mortars allowing the reduction of the required water during their preparation.

Performance Benefits

- Crack bridging ability down to - 20°C
- Good adhesion to mineral substrates
- Excellent water & chemical resistance

Polymer Type

- Acrylic Copolymer

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	58 - 60
pH (ISO 976)	6.0 - 8.0
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	500 - 1500

Other Characteristics¹

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	< 1
Tg (DSC), °C	-28
Average Particle size, nm (ISO 13321)	300

¹ 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. The use of thickeners has to be carefully checked in advance as some of them can cause stiffening phenomena and can interfere in the setting process. Air cure conditions have to be applied for optimum strength properties of cement-based systems.

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 5127 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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