

TECHNICAL DATA SHEET

ENCOR[®] 5120

Acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR[®] 5120 is a high solids, cement-compatible modified acrylic latex. This product is free from coalescing agents, plasticizers and APE surfactants.

ENCOR[®] 5120 is ideally suited for the modification of Portland cement and other hydraulic binder systems.

Suggested applications are two-component elastomeric waterproofing and weather-barrier cementitious membranes, sealing and bonding slurries as well as water resistant ceramic tile adhesives.

ENCOR[®] 5120 may also be used in the formulation of liquid applied bitumen emulsions and acrylic sealants.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	59 - 61 %	ISO 3251
pH	6.0 - 8.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	500 - 1500 mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Minimum film formation temperature	< 1 °C	ISO 2115
Glass transition temperature (DSC)	- 38 °C	-
Density (23°C)	1.00 g/ml	ISO 2811
Average particle size	300 nm	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
- Waterproofing Membrane

PERFORMANCE BENEFITS

- Transparent, slightly tacky, elasto-plastic film
- Excellent water, chemical and alkali resistance
- Good adhesion to mineral substrates
- Permanent low temperature flexibility (-35°C)

ENCOR® 5120

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 AND HANDLING

ENCOR® 5120 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 Durability (Months): 6

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