

TECHNICAL DATA SHEET

ENCOR[®] 5163 (Formerly E50003)

Acrylic Emulsion

PRODUCT APPLICATION DETAILS

ENCOR[®] 5163 is an all acrylic latex which dries into a permanently tacky film. This product is free from solvents, plasticizers and APE-based surfactants.

ENCOR[®] 5163 has been designed for the manufacturing of construction adhesives and high quality sealants.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (105°C)	59 - 61 %	ISO 3251
pH	6.0 - 7.0	ISO 976
Viscosity (Brookfield RVT , 20rpm) (23°C)	250 - 750 mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Stabilizing system	A / NI	-
Glass transition temperature (DSC)	- 27 °C	DSC
Density (23°C)	1.04 g/ml	ISO 2811
Average particle size	300 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

Adhesives & Sealants

- Sealants
 - Sealants - Construction

PERFORMANCE BENEFITS

- Formaldehyde free*
- Low VOC content
- Excellent UV resistance
- Good flexibility at low temperature
- Good filler compatibility

FORMULATION GUIDELINES

According to the final application, addition of specific defoamers can be required. The adjustment of pH to 7-8 is recommended to ensure a better compatibility with pigments and fillers.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

ENCOR® 5163 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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