

# ENCOR<sup>®</sup> 5163

(FORMERLY E50003)

CONSTRUCTION

ARKEMA COATING RESINS

## Product Application details

ENCOR<sup>®</sup> 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<sup>®</sup> 5163 has been designed for the manufacturing of construction adhesives and high quality sealants.

## Performance Benefits

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

\* product formulated without formaldehyde or formaldehyde releasers. During normal conditions of use, this binder does not generate formaldehyde

## Polymer Type

- Acrylic Copolymer

## Sales Specifications

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

## Other Characteristics<sup>1</sup>

|   |        |
|---|--------|
| Stabilizing system                                  | A / NI |
| Tg (DSC), °C  | - 27   |
| Density / Specific Gravity at 23°C, g/ml (ISO 2811) | 1.04   |
| Average Particle size, nm (ISO 13321)               | 300    |

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

## 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.

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & 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 6 months from the shipping date

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### Arkema Coating Resins

420, rue d'Estienne d'Orves

92705 Colombes Cedex - France

arkema.com - [arkemacoatingresins.com](http://arkemacoatingresins.com)

