

ENCOR[®] 4516

ADHESIVES

ARKEMA COATING RESINS

ENCOR[®] 4516 is a high solids pure acrylic binder, free from solvents, plasticizers and APE surfactants.

Product Application details

ENCOR[®] 4516 is ideally suited for the formulation of low emission floor covering adhesives, compliant with Emission EC1 classification.

Due to its specific composition, ENCOR[®] 4516 allows to produce glues for different types of floor covers such as PVC, linoleum, rubber and carpet.

Performance Benefits

- High solids
- Allows the formulation of Emission EC1 compliant glues

Polymer Type

- Acrylic Copolymer

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	59 - 61
pH (ISO 976)	7.0 - 8.0
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	1000 - 3000

Other Characteristics¹

Stabilizing system	A/NI
Minimum Film Formation Temperature, °C (ISO 2115)	< 1
Tg (DSC), °C	-27
Density / Specific Gravity at 23°C, g/ml (ISO 2811)	1.03
Average Particle size, nm (ISO 13321)	450

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

Formulation Guidelines

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 4516 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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