

ENCOR[®] 5525

CONSTRUCTION

ARKEMA COATING RESINS

Product Application details

ENCOR[®] 5525 is a cement-compatible styrene-acrylic latex. This product is free from coalescing agents, plasticizers and APE surfactants.

ENCOR[®] 5525 is ideally suited for the modification of mortars and two-component cement-based compositions for several applications in the field of surfacing, repairing mortars, primers and adhesives

ENCOR[®] 5525 imparts liquid consistency and good workability to the mortars allowing a remarkable reduction of the required water during their preparation. Mortars modified with ENCOR[®] 5525 shows a newtonian rheological behaviour. Flexural strength, adhesion, water resistance and durability are then strongly enhanced.

Performance Benefits

- Formaldehyde free*
- No ammonia release
- Provides liquid consistency at very low Water / Cement ratio
- Excellent adhesion to mineral substrates

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

Polymer Type

- Styrene-acrylic Copolymer

Sales Specifications

| | |
|--|-----------|
| Solid Content at 105°C, % (ISO 3251) | 49 - 51 |
| pH (ISO 976) | 7.5 - 8.5 |
| Viscosity at 23°C, mPa.s (Brookfield RVT, 100rpm) (ISO 2555) | 200 - 500 |

Other Characteristics¹

| | |
|---|--------|
| Stabilizing system | A / NI |
| Minimum Film Formation Temperature, °C (ISO 2115) | 15 |
| Tg (DSC), °C | 16 |
| Density / Specific Gravity at 23°C, g/ml (ISO 2811) | 1.02 |
| Average Particle size, nm (ISO 13321) | 250 |

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. Air cure conditions have to be applied for optimum strength properties.

ENCOR[®]

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 5525 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

The logo for ARKEMA, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a green color.