

# ENCOR® 2793

ARCHITECTURAL COATINGS / INDUSTRIAL WOOD

(FORMERLY ENCOR® E21093)

ARKEMA COATING RESINS

ENCOR® 2793 is a functionalized pure acrylics binder dedicated to multi-substrate primer and renovation paints. It is formulated without alkylphenolethoxylates and is formaldehyde releaser free.

## Product Application details

ENCOR® 2793 has an excellent adhesion profile on wood, concrete, ceramic, plastics and many other substrates. It is outstanding for stain and tannin blocking. It even prevents the knots of the wood, such as pine, from bleeding and blistering.

ENCOR® 2793 is easy to formulate. This allows a broad range of application, such as multi-substrate primer, wall paints, wood lacquers, stain and tannin blocking primer or two coats renovation paints.

## Performance Benefits

- Outstanding stain-blocking (tannins, nicotine, household stains, humidity stains...)
- Excellent multi-substrates adhesion (wood, concrete, ceramic, plastics, copper, etc.)
- Effective as knot blocking / sealing primer or two coat systems
- Easy to formulate with conventional waterborne additives
- Good stain resistance / easy to clean and water resistance

## Polymer Type

- Acrylic Emulsion

## Sales Specifications

Solid Content at 105°C, % (ISO 3251)	42 - 44
pH (ISO 976)	8.5 - 9.5
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	1000 max

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

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	15
Density / Specific Gravity, g/ml (ISO 2811)	1.04
Average Particle size, nm (ISO 13321)	100

<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

### COALESCENT

For an optimum stain-blocking performance, it is recommended to avoid additives that are too hydrophilic. Coalescents with low water solubility like Dowanol® DPnB (1) and Dowanol® PnB (1) and Texanol (2) are recommended (4-5% on the dry content of the binder).

### FILLERS

ENCOR® 2793 will inherently block the stains and tannins with conventional fillers, such as Durcal 5 (2). In order to optimise the property we recommend Minex S4 and Minex S6 (3).

### RHEOLOGY

For an optimum performance, the rheology of the coatings can be adjusted using associative thickeners such as HEUR thickeners: Coapur 2025 (4) and Coapur 830W (4).

Notes: (1) Dow, (2) Eastman, (2) OMYA, (3) Sibelco, (4) Coatex

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

ENCOR® 2793 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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The logo for ARKEMA, with the word in a bold, sans-serif font. The 'A', 'R', 'K', 'E', and 'M' are in dark blue, while the 'A' at the end is in green.