

ENCOR[®] 2710

ARCHITECTURAL COATINGS

ARKEMA COATING RESINS

Product Application details

ENCOR[®] 2710 is a low MFFT pure acrylic emulsion formulated without alkylphenoethoxylates or formaldehyde.

ENCOR[®] 2710 is designed for the formulation of stain-blocking paints and primers for wood and walls. Due to its large adhesion profile, ENCOR[®] 2710 is also well adapted to the formulations of multi-substrates architectural primers and renovation wall paints. Its specific composition ensures very good stain blocking properties without the use of zinc oxide: therefore it is easy to formulate stable coatings. To avoid the extraction of watersoluble colored species from the substrate, it is recommended not to use too hydrophilic additives.

Performance Benefits

- Good stain-blocking properties (tannins, nicotine...)
- Good adhesion onto alkyd painted surfaces, wood, ceramic...

Polymer Type

- Acrylic Emulsion

Sales Specifications

Solid Content at 105°C, % (ISO 3251)	41.5 - 43.5
pH (ISO 976)	8.0 - 9.0
Viscosity at 23°C, mPa.s (Brookfield RVT , 20rpm) (ISO 2555)	200 max

Other Characteristics¹

Stabilizing system	A / NI
Minimum Film Formation Temperature, °C (ISO 2115)	4
Density / Specific Gravity, g/ml (ISO 2811)	1.05
Average Particle size, nm (ISO 13321)	100

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

Formulation Guidelines

RHEOLOGY

Rheology and viscosity can be controlled using associative thickeners, such as Coapur[™] 830W (1), Rheolate 678[®] (2) or Aquaflow[®] NHS 300 (3).

OTHER ADDITIVES

ENCOR[®] 2710 low MFFT offers the possibility to formulate low VOC paints and primers. Nevertheless, the use of a low amount of non-hydrophilic film forming aid, such as Texanol[®] (4) is advised for optimal coating properties when applied in severe conditions (low temperature and / or low relative humidity).

The use of defoamers is recommended, Foamaster[®] MO 2134 (5) has proved to be efficient.

Notes: (1) Coatex, (2) Elementis Specialties, (3) Ashland Specialty Ingredients, (4) Eastman Chemical Company, (5) BASF

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage & Handling

ENCOR® 2710 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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