



## PRIMAL™ AC-818 Acrylic Emulsion

100% Acrylic Emulsion Polymer for Exterior Medium-High Quality Paints

### Regional Product Availability

Asia-Pacific

### Description

PRIMAL™ AC-818 Acrylic Emulsion is a small particle size, 100% acrylic polymer and APEO free <sup>(1)</sup>. PRIMAL AC-818 Acrylic Emulsion is suitable across a broad range of high quality pigmented paints from flat to semigloss, texture paints and stone paints. Coatings manufactured with PRIMAL AC- 818 Acrylic Emulsion offer excellent UV resistance and outdoor durability.

PRIMAL AC-818 Acrylic Emulsion is manufactured with a proprietary UV surface cross-linking technology, which offers excellent long term DPUR (Dirt Pick-Up Resistance). PRIMAL AC-818 Acrylic Emulsion also offers good adhesion on various substrates. Coatings based on PRIMAL AC-818 Acrylic Emulsion offer excellent color retention and chalking resistance, along with good early water blister resistance and alkali resistance.

### Key Features

- 100% acrylic polymer composition.
- Low coalescent demand
- Excellent dirt-pick-up resistance.
- Excellent color retention and chalking resistance.
- Excellent early blister resistance.
- Good clear film properties and water whitening resistance.
- Excellent mechanical stability and calcium ion (Ca<sup>2+</sup>) stability.
- APEO free <sup>(1)</sup>
- No added formaldehyde or formaldehyde generators <sup>(2)</sup>

### Benefits

- PRIMAL™ AC-818 Acrylic Emulsion facilitates the formulation of interior / exterior high quality paints, texture coatings, stone paints and clear top coats.

### Typical Properties

(These properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	46.5
Density (g/ml), wet	1.04
pH	7.8
Minimum Film Formation Temperature (± 2°C)	23
Glass Transition Temperature (± 2°C)	28
Viscosity (Brookfield LV #3, 60 rpm, 25°C), cps	< 1500

(1) Manufactured without the use of APEO surfactants.

(2) Formaldehyde is a ubiquitous material in our environment. Currently there is no accepted regulatory or industry definition of "Formaldehyde-Free." Therefore, we purposely refrain from using the term "Formaldehyde-Free." However, for PRIMAL™ AC-818 Acrylic Emulsion, we do not intentionally add Formaldehyde or Formaldehyde generators.

## Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

## Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

## Disposal

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Coating Materials Technical Representative for more information.

## Chemical Registration

Many countries within the Asia-Pacific require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. Dow does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

## Note on Asia-Pacific Product Line

Product availability and grades vary throughout the countries in Asia-Pacific. Please contact your local Dow Coating Materials representative for further information and samples.

## Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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