



PRIMAL™ AC-507 Acrylic Emulsion

100% Acrylic Polymer for Quality Exterior / Interior Paints

Regional Product Availability

- Asia-Pacific

Description

PRIMAL™ AC-507 Acrylic Emulsion is a colloid stabilized, wet adhesion promoted, 100% acrylic polymer. It is a versatile, robust and cost effective paint binder designed specifically for exterior gloss and semi-gloss paints. Exterior durability has been proven over many years. PRIMAL AC-507 Acrylic Emulsion offers excellent gloss and tint retention, and resistance to chalking.

PRIMAL AC-507 Acrylic Emulsion has very good adhesion to timber, Zinalume galvanized steel and previously painted surfaces. Hard wearing interior paints with good resistance to household cleaners can also be formulated with PRIMAL AC-507 Acrylic Emulsion.

PRIMAL AC-507 Acrylic Emulsion is APEO-free⁽¹⁾ and does not have added formaldehyde or formaldehyde generators⁽²⁾. PRIMAL AC-507 Acrylic Emulsion facilitates the formulation of paints to address stringent environmental standards.

Key Features

- 100% acrylic polymer composition.
- Colloid stabilization, APEO-free⁽¹⁾ and does not have added formaldehyde or formaldehyde generators⁽²⁾.
- Proprietary wet adhesion chemistry.
- Very good adhesion to most substrates
- Good mechanical stability and low foaming.
- Very good application rheology.

Benefits

- Versatile binder for gloss and semi-gloss, interior and exterior paints.
- Excellent exterior durability, water resistance and resistance to hydrolysis on masonry.
- Paints manufactured with PRIMAL™ AC-507 Acrylic Emulsion offer excellent in-can structure, good brush pick-up and film build combined with acceptable flow.

Typical Properties

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

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	47
Density, wet, (g/ml)	1.05
pH	9.5
Minimum Film Forming Temperature ($\pm 2^{\circ}\text{C}$)	15
Viscosity (Brookfield LV #3, 60 rpm, 25°C), cps	< 1500
Stabilization	Colloid
Storage precautions	Protect from freezing

(1) Manufactured without the use of Alkyl Phenyl Ethoxylate (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-507 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 Considerations

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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