



PRIMAL™ DC-420 Emulsion

Acrylic Co-polymer with Excellent Washability and Formulation Robustness
For Interior and Exterior High PVC Paints

Regional Product Availability

Asia-Pacific

Description

PRIMAL™ DC-420 Emulsion is a water-based, acrylic co-polymer emulsion based on the Dow Coating Materials AVANSE™ Technology platform. The exceptional pigment binding capacity enhances film formation capability, which offers a formulated paint film with excellent washability, excellent early chalking resistance and improved opacity.

PRIMAL DC-420 Emulsion offers a proprietary composition which can enhance the paint stability and formulation robustness.

PRIMAL DC-420 Emulsion facilitates the formulation of flat, sheen and semi-gloss paints for both interior and exterior paints, and offers an excellent balance of cost and performance in high PVC paints.

Key Features

- AVANSE™ Technology platform.
- Excellent pigment binding.
- APEO-free⁽¹⁾ and does not have added formaldehyde or formaldehyde generators⁽²⁾.

Benefits

- Excellent washability.
- Excellent chalking resistance.
- Facilitates the formulation of paints with excellent opacity and paint stability.
- Good water resistance, alkali resistance and durability.
- Facilitates the formulation of paints to address stringent environmental standards.
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Typical Properties

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

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	48.0
Density (g/ml), wet	1.05
pH	8.0
Minimum Film Formation Temperature, (± 2°C)	29
Viscosity (Brookfield LV #3, 60 rpm), cps	< 700
Storage precautions	Protect from freezing

(1) Manufactured without the use of Alkyl Phenyl Ethoxylate 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™ DC-420 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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