



PRIMAL™ PR-1042 Acrylic Emulsion

For Exterior Quality Paints

Regional Product Availability

- Asia-Pacific

Description

PRIMAL™ PR-1042 Acrylic Emulsion is a water-based 100% acrylic polymer designed to offer a high level of dirt pick-up resistance to facilitate the formulation of premium exterior paints in tropical conditions. PRIMAL PR-1042 Acrylic Emulsion facilitates the formulation of cost-effective gloss, semi-gloss, sheen and below-CPVC flat exterior masonry paints.

Key Features

- Excellent exterior durability.
- Excellent dirt pick-up resistance.

Typical Properties

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

| Property | Typical Values |
|---|-----------------------------------|
| Appearance | Opaque, white to off-white liquid |
| pH | 6.5 |
| Solids, by weight (%) | 46.0 |
| Density, wet, (g/ml) | 1.05 |
| Minimum Film Formation Temperature (± 2 °C) | 32 |
| Brookfield Viscosity (LVT #2, 30 rpm, 25 °C), cps | < 170 |
| Tukon Hardness, KHN | 9 |

Formulating Guidelines

PRIMAL™ PR-1042 Acrylic Emulsion is a relatively hard emulsion polymer and levels of 12-15% of Texanol coalescent (based on polymer solids) is suggested for standard paint formulations. Alternative coalescing agents can be substituted but specific performance should be checked, particularly under high humidity cure. Permanent plasticisers such as dibutyl phthalate can compromise dirt pick-up resistance.

OROTAN™ 731A Dispersant is a recommended dispersant. However, Primal PR-1042 Acrylic Emulsion is compatible with a broad range of both polyacid and copolymer type dispersants.

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.

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Customer Notice

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