



## PRIMAL™ CL-103 Emulsion

Waterborne Acrylic Polymer for Factory Applied Interior Wood Coatings

### Regional Product Availability

- Asia-Pacific

### Description

PRIMAL™ CL-103 Emulsion has been designed for water-based industrial wood coatings. Excellent performance is offered in the areas of chemical and block resistance. PRIMAL CL-103 Emulsion is an excellent alternative to nitro-cellulose coating, which may contain more than 70% solvents on formulation.

The level of coalescent and other solvents in typical wood coatings based on PRIMAL CL-103 Emulsion is around 7%, calculated on total formulation. Further reduction is offered when blending polyurethane dispersions into the formulation.

### Key Features

- Good application properties.
- Good block resistance.
- Excellent film flexibility.
- Good water and alcohol resistance.
- Excellent film clarity.
- Waterborne acrylic polymer.
- Fast dry compared to other aqueous lacquers.
- APEO-free<sup>(1)</sup>.

### Benefits

- Facilitates the formulation of high gloss and matt wood coatings with film clarity.

### Typical Properties

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

Property	Typical Values
Appearance	Opaque, white to yellow liquid
Solids, by weight, %	40.5
Density, wet, (g/ml)	1.03
pH	7.2
Minimum Film Forming Temperature ( $\pm 2^{\circ}\text{C}$ )	30
Viscosity (Brookfield LV #2, 30 rpm, 25°C), cps	< 1000
Acid number (mg KOH / g solid resin)	20
Storage precautions	Protect from freezing

(1) Manufactured without the use of Alkyl Phenyl Ethoxylate (APEO) surfactants.

## 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.

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