

**RHOPLEX™ AC-3001 Emulsion**

Aqueous Acrylic Vehicle for Coatings Over Cementitious Substrates

Regional Product Availability

North America

Description

RHOPLEX™ AC-3001 emulsion is a thermoplastic all-acrylic binder designed to be formulated into water resistant finishes with an excellent balance of early block resistance and coalescent demand. Typical applications for factory applied coatings based on RHOPLEX™ AC-3001 cementitious substrates include flat and corrugated fibercement tiles for façade and roofing, and other concrete elements.

RHOPLEX™ AC-3001 emulsion can be formulated in pigmented coatings as well as clears for application directly to uncoated or over prepainted cementitious surfaces. As with all aqueous binders, RHOPLEX™ AC-3001 should be carefully formulated to meet the various requirements of different substrates and application line conditions.

Features & Benefits

- Excellent water-whitening resistance
- Excellent water resistance
- Early block resistance
- Low coalescent demand
- Good exterior durability
- Low water vapor permeability

Typical Physical Properties

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

Property	Typical Values
Appearance	Milky, white liquid
Solids Content, % by weight	48
pH	7.7 – 8.7
Brookfield viscosity, cP	200 - 500
Density, lbs/US gal	8.8
Dry Bulking Value, gal/lbs	0.1072
Minimum film-forming temperature (MFFT), °C	27
Glass transition temperature (Tg), °C	32
Tukon hardness, KHN	3 - 5

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 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. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

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.

Contact:

North America: 1-800-447-4369
Latin America: (+55)-11-5188-9000
Europe: (+800)-3-694-6367
Asia-Pacific: (+800)-7776-7776
<http://www.dowcoatingmaterials.com>

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