



Product Data Sheet

RHOPLEX™ AC-464 Emulsion Polymer

For Architectural Coating Applications

Regional Product Availability

North America

Description

RHOPLEX™ AC-464 Emulsion Polymer is a 100% acrylic emulsion for exterior coatings. RHOPLEX™ AC-464 Emulsion Polymer is designed to have excellent exterior durability, including good cracking and flaking resistance, excellent adhesion to wood, and excellent adhesion to chalky substrates. RHOPLEX™ AC-464 Emulsion Polymer is delivered at high solids, and can be formulated for exterior flat and satin paints. RHOPLEX™ AC-464 Emulsion Polymer has also shown excellent performance as a solid-color stain.

RHOPLEX™ AC-464 Emulsion Polymer is designed to be an upgrade to RHOPLEX™ AC-264 Emulsion Polymer, targeted to comply with 50 g/L VOC limits and also manufactured without the use of APEO (alkylphenol ethoxylate) surfactants.

Typical Physical Properties

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

Property	Typical Values
Appearance	White milk liquid
Solids	60–61%
pH	8.5–9.5
Viscosity	400–1500 cps
Weight per U.S. gallon	8.8–8.9 lbs
Dry bulking value	0.108 gal/lb
Wet bulking value	0.13 gal/lb
MFFT (°C)	< 0

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.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

**Handling
Precautions (Cont.)**

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

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. The Dow Chemical Company 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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