



## Technical Data Sheet

### **RHOPLEX™ AC-264 Emulsion Polymer**

100% Acrylic Binder for Exterior Flat, Satin and Semigloss Architectural Coatings

#### **Introduction**

RHOPLEX™ AC-264 Emulsion Polymer is a unique high solids, 100%-acrylic emulsion vehicle for exterior latex paints which provides a high level of adhesion to chalky substrates. The product represents a slight modification of RHOPLEX™ AC-64 Emulsion Polymer, and is recommended as a substitute for the latter product. As when making any raw material change, the formulator should check key properties such as color acceptance and adhesion.

By using RHOPLEX™ AC-264 Emulsion Polymer, the formulator can eliminate alkyd-modification as a means of obtaining a margin of safety to help prevent problems with adhesion to chalky paint.

RHOPLEX™ AC-264 Emulsion Polymer provides the excellent general durability associated with all-acrylic binders designed for exterior paints. RHOPLEX™ AC-264 Emulsion Polymer offers excellent response to non-ionic rheology.

#### **Benefits**

With the development of RHOPLEX™ AC-264 Emulsion Polymer, the paint manufacturer is now able to eliminate or reduce the level of alkyd or oil modification in formulating latex paints that adhere to weathered, chalking substrates. The benefits obtained by eliminating or reducing the level of oils and alkyds and using RHOPLEX™ AC-264 Emulsion Polymer are:

- More rapid development of adhesion
- Improved tint retention
- Improved resistance to chalking
- Less early dirt pickup
- Less mildew
- Fewer manufacturing and color acceptance problems
- Reduced inventory
- Improved cleanup of paint brushes and tools
- Reduced early sensitivity to water

#### **Typical Physical Properties<sup>1</sup>**

Property	Typical Values
Appearance	Milky White Liquid
Solids Content, %	60 - 61
pH	8.9 - 9.7
Viscosity, cps	400 - 1500
Weight, US lb/gal	8.8 - 8.9
Specific Gravity	1.06
Bulking Value of Dry Solids, gal/lb	0.107

1. These properties are typical but do not constitute specifications.

## 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.

**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 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 Technical Representative for more information.

## 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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