



RHOPLEX™ AC-1034 Emulsion

Waterborne Acrylic Copolymer for Industrial Coatings

Introduction

RHOPLEX™ AC-1034 Emulsion is an acrylic copolymer with a unique hydrophobic composition which imparts excellent water resistance as well as a high degree of flexibility to industrial coatings. It is designed for use in edge sealers on wood and wood composite substrates such as plywood and oriented strand board (OSB), and facilitates products with good resistance to edge swelling. RHOPLEX™ AC-1034 Emulsion offers very good compatibility with high levels of waxes which are often used in edge sealer products. It can also be used in formulating clear primer or sealer coatings to provide water resistance

Features & Benefits

- Excellent water resistance
- Very good flexibility
- Compatible with high levels of waxes
- Resistance to edge swell in wood board products

Typical Physical Properties

These properties are typical but do not constitute specifications.

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids Content, %	47.5
pH	6.0 – 7.5
Viscosity, cP (#3 Spindle @30 rpm, 25°C)	< 2000 cP
Weight per U.S. Gallon (wet, lbs/gal)	8.60
Bulking Value (wet), gal/lbs	0.116
Bulking Value (dry), gal/lbs	0.112
MFFT (°C)	9

Potential Applications

- Edge sealers for wood lumber and board products
- Primers and sealers
- General Industrial Finishes

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.

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