



## RHOPLEX™ 585 Acrylic Binder

For Architectural Coatings

### Regional Product Availability

North America

### Description

RHOPLEX™ 585 is a 100% acrylic binder designed for premium exterior performance in flat and satin Architectural Coatings. It is supplied at high solids for formulation flexibility and does not contain any APEO (alkyl phenol ethoxylate) surfactants. The low coalescent demand of RHOPLEX™ 585 allows the formulator to meet the 50g/VOC regulations while still maintaining some freeze thaw stability. Due to its 100% acrylic composition, RHOPLEX™ 585 offers good exterior durability.

### Benefits

- High solids (58-59%)
- Low VOC capable ( $\leq 50$  g/l VOC)
- Contains no APEO surfactant
- Multi-substrates capability – wood, alkyd, vinyl, aluminum, and masonry
- Excellent exterior performance including dirt pick-up resistance, tint and gloss retention, grain crack resistance, alkali and efflorescence resistance
- Excellent slurry compatibility

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

### Typical Physical Properties

Property	Typical Values
Appearance	Milky white liquid
Solids Content	58-59%
pH	7.7-8.7
Viscosity, cP (#4/60 rpm)	< 500
Weight per U.S. Gallon, (wet, lb/gal)	8.8-8.9
Bulking Value (wet), gal/lb	0.113
Bulking Value (dry), gal/lb	0.108
Tg, DSC, onset °C	~ 12°C

**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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