RHOPLEX™ 52 Styrene/Acrylic Emulsion
For Architectural Coatings

Regional Product Availability
North America

Description
RHOPLEX™ 52 Styrene/Acrylic Emulsion is a styrene-acrylic emulsion designed to be employed in stain blocking interior and exterior primers. It provides excellent tannin and marker stain blocking in zinc oxide free and zinc oxide containing formulations. It has excellent sandability to allow primers formulated with it the be quickly topcoated. It has excellent alkali resistance minimizing efflorescence and good adhesion to a variety of substrates including alkyds, wood, masonry, aluminum and steel. It also has very good enamel holdout properties. RHOPLEX™ 52 Styrene/Acrylic Emulsion can be coalesced with non-volatile plasticizers to formulate primers with < 5 g/l VOC and is made APEO-free.1

1Manufactured without the use of Alkyl Phenyl Ethoxylate surfactants.

Features and Benefits
- Excellent tannin stain blocking
- Excellent marker and ink stain blocking
- Great sandability
- Resists efflorescence
- Good adhesion
- Good enamel holdout
- Capable of formulating primers compliant with MPI #50 & #137
- Formulation latitude:
  - Zinc oxide free or containing
  - < 5 g/l to 100 g/l
- Solvent-free, being manufactured without added solvent capable (when formulated with plasticizer)
- APEO-free

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Milky, white liquid</td>
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<tr>
<td>Solids Content, %</td>
<td>44.5–45.5%</td>
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<tr>
<td>pH</td>
<td>8.5–9.5</td>
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<tr>
<td>Viscosity; cP (#2, @ 60 rpm, 25°C)</td>
<td>500 max.</td>
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<tr>
<td>Weight per U.S. Gallon (wet, lbs/gal)</td>
<td>8.5</td>
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<tr>
<td>Bulking Value, (wet) gal/lbs</td>
<td>0.117</td>
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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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