**ROSHIELD™ 3301 Acrylic Emulsion**  
Self-crosslinking Acrylic Emulsion for Wood Coatings

### Regional Product Availability

Asia-Pacific

### Description

ROSHIELD™ 3301 Acrylic Emulsion is a 100% acrylic polymer designed for wood coatings. It offers good early sandability, block resistance and stain resistance, as well as extremely low microfoam entrapment. ROSHIELD 3301 Acrylic Emulsion is recommended in clear and pigment wood coatings and gives excellent clarity over both dark and light woods. Its self-crosslinking chemistry is responsible for its rapid cure and good stain resistance.

### Key Features

- Self-crosslinking chemistry.
- Excellent sandability.
- Low viscosity.
- APEO-free* and with no added formaldehyde, or formaldehyde generators**.

### Benefits

- High level of clarity and durability.
- Fast drying and hardness development.
- Upon sanding, the polymer design produces a fine powder with very little clogging of the sandpaper.
- Excellent chemical resistance.

### Typical Properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Milky white emulsion</td>
</tr>
<tr>
<td>Solids, by weight, %</td>
<td>40.6</td>
</tr>
<tr>
<td>Density (g/ml), wet</td>
<td>1.06</td>
</tr>
<tr>
<td>pH</td>
<td>7.4</td>
</tr>
<tr>
<td>Minimum Film Forming Temperature (± 2°C)</td>
<td>43</td>
</tr>
<tr>
<td>Viscosity (Brookfield LV #2, 60 rpm), cps</td>
<td>&lt; 85</td>
</tr>
<tr>
<td>Storage precautions</td>
<td>Protect from freezing</td>
</tr>
</tbody>
</table>

*Manufactured without the use of Alkyl Phenyl Ethoxylate surfactants

** Formaldehyde is a ubiquitous material in our environment. Currently there is no accepted regulatory or industry definition of "Formaldehyde-Free." Therefore, we purposely refrain from using the term "Formaldehyde-Free." However, for ROSHIELD™ 3301 Acrylic Emulsion, we do not intentionally add Formaldehyde or Formaldehyde generators.
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

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. Dow 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

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