



ROSHIELD™ 530 Emulsion

Waterborne Acrylic Polymer For Factory-Applied Wood Coatings

Regional Product Availability

- Asia-Pacific

Description

ROSHIELD™ 530 Emulsion is a small particle size acrylic emulsion polymer containing proprietary self-crosslinking technology. It is offered for factory-applied interior wood coatings requiring early hardness, block resistance, sandability and water resistance. ROSHIELD 530 Emulsion facilitates the formulation of clear sealers and topcoats or lightly pigmented coatings.

Key Features

- Excellent water resistance.
- Good sandability.
- Excellent early block resistance.
- Ambient self-crosslinking technology.
- Offers easy brush or spray application.
- APEO free ⁽¹⁾, no added formaldehyde or formaldehyde generators ⁽²⁾.

Typical Physical Properties

(These properties are typical but do not constitute specifications)

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	38.0
Density, wet, (g/ml)	1.05
pH	8.1
Minimum Film Formation Temperature (± 2 °C)	62
Viscosity (Brookfield LV #1, 60 rpm, 25 °C), cps	< 100
Storage precautions	Protect from freezing

(1) Manufactured without the use of Alkyl Phenyl Ethoxylate (APEO) surfactants.

(2) 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™ 530 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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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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