



DIRTSHIELD™ 6000 Acrylic Emulsion

100% Acrylic Polymer for Exterior, Direct to Substrate with Dirt Pick-up Resistance

Regional Availability

- Asia-Pacific

Description

DIRTSHIELD™ 6000 Acrylic Emulsion is a 100% acrylic polymer that has been developed in Australia for high performance exterior 'direct to substrate' applications that offer excellent resistance to dirt collection and can be applied directly over most surfaces.

The product has excellent tannin blocking properties offering excellent performance over new timber, as well as previously painted surfaces. DIRTSHIELD 6000 Acrylic Emulsion facilitates the formulation of paints from high gloss to matt.

The exterior durability of paints formulated on DIRTSHIELD 6000 Acrylic Emulsion is excellent as confirmed by actual performance and test fence exposures.

Key Features

- 100% acrylic polymer composition.
- Excellent dirt pick up resistance
- Facilitates the formulation of primer-free, multi-substrate application paints.
- Offers prevention of tannin bleed in whites and pastels over tannin rich timbers.
- Good color acceptance.
- APEO-free⁽¹⁾, and does not have added formaldehyde, or formaldehyde generators⁽²⁾

Benefits

- Excellent exterior durability to facilitate long term decorative and protective performance.
- High performance over a broad range of substrates eliminating the need for separate primers.
- Excellent mechanical stability.
- Facilitates the formulation of a comprehensive paint range.
- Stable in the presence of zinc oxide.

Typical Properties

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

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	45.0
Density (g/ml), wet	1.06
pH	7.5
Minimum Film Forming Temperature (± 2°C)	16
Viscosity (Brookfield LV #2, 30 rpm, 25°C), cps	< 1000
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 DIRTSHIELD™ 6000 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

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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