



OROTAN™ 1124 Dispersant

High Performance Hydrophilic Copolymer Pigment Dispersant for Latex Paints

Regional Product Availability

- Asia-Pacific

Description

OROTAN™ 1124 Dispersant is a high performance hydrophilic copolymer which offers excellent performance in a wide range of latex paint formulations from high gloss enamels to low sheen and flats. Designed for excellent stability and compatibility with modern latex paint additives, OROTAN 1124 Dispersant is an excellent choice for the modern paint formulator.

OROTAN 1124 Dispersant is supplied at high solids (50%) in the ammonia neutralized form and was designed to maximize gloss potential where needed, while aiding good viscosity, flow and wet adhesion in interior and exterior flat to gloss formulations. It has excellent compatibility with colorants for good color acceptance and is low foaming for ease of use.

OROTAN 1124 Dispersant is a universal dispersant for compatibility with associative rheology modifiers as it is compatible with both anionic HASE and nonionic HEUR rheology modifiers.

Key Features

- Low cost/high performance.
- Broad formulating range.
- Universal rheology modifiers compatibility.
- Excellent color compatibility.
- Excellent viscosity stability.
- High gloss potential.
- Low foam.

Benefits

- Cost efficient paint formulations.
- Wide versatility. Can be used in flats through to high gloss formulations.
- Compatibility with both anionic HASE and nonionic HEUR type rheology modifiers.
- Excellent color acceptance with high reproducibility.
- Excellent heat-age and shelf stability.
- High gloss development.
- Easy to process and handle.

Typical Properties

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

Property	Typical Values
Appearance	Clear / hazy amber liquid
Solids, by weight, %	50
Density, wet, (g/ml)	1.19
pH	7.0
Chemical type	Hydrophilic copolymer
Viscosity (Brookfield #2, 60 rpm, 25 °C), cps	< 300

Dispersing Efficiency

OROTAN™ 1124 Dispersant should be tested at 0.5% to 1.0% active ingredient based on total pigment weight. It is important to determine the proper level for the finished paint formulation. If a low level is used, the dispersion may be incomplete providing an inadequate grind that will not maximize gloss, hiding or stability. High levels of dispersant may lead to increased water sensitivity.

For more information about formulating with OROTAN 1124 Dispersant, contact your local Dow Coating Materials Technical Representative.

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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