

Product Information

Product Name:High Efficiency Dispersant D105

D105 is a high solids and efficiency synthetic hydrophilic copolymer pigment dispersant. It provides outstanding performance and cost effectiveness in a wide range of acrylic, vinyl acrylic, and acrylic/styrene based latex paints from low sheen flats to high gloss enamels. It has been designed to maximize gloss potential with good flow and wet adhesion in interior and exterior high gloss and semi-gloss formulations.

It has excellent compatibility with colorants for good color acceptance. As a most universal dispersant, D105 is compatible with both anionic HASE and nonionic HEUR associative rheology modifiers. It is highly recommended for use in the manufacturing process of TiO₂ and clay slurries for high degrees of whiteness. D105 is supplied at 48% solids in the ammonia form, low viscosity and low foaming for ease of use.

Features and Benefits:

- Very effective with inorganic pigments
- Excellent pigment wetting compatibility
- Superior gloss development
- Excellent color compatibility and reproducibility
- Excellent overall compatibility and utility in a wide range of formulations
- Good compatibility with both anionic HASE and nonionic HEUR rheology modifiers
- Low foam and easy to process and handle

Typical Physical Properties:

Item	Range
Chemical type	Hydrophilic copolymers
Appearance	Clear brown liquid
Solids, weight %	48
pH	7 - 8
Carrier	Water
Density, lb/gallon	9.6-9.8

* Data presented above are typical values and should not be construed as specifications

Application and Dosage:

This product is compatible with both anionic HASE and nonionic HEUR associative rheology modifiers. The usage level of D105 depends on the formulations. It is important to determine the proper dispersant levels in paint formulations. At a low level of usage, the dispersion could be inadequate that will impact on the properties of gloss, hiding and paint stability. D105 should be tested at 0.5 to 1.0% active ingredient based on total pigment weight to determine the appropriate usage level.



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Storage

Subject to appropriate storage under the usual storage and temperature conditions, this product is durable for 18 months.

When considering the use of any RICKMAN product in a particular application, you should read and understand our Safety Data Sheet (SDS) before using this product and ensure that the use you intend can be conducted safely. RICKMAN sends SDS with shipment of all of our products. The SDS contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products.