

NUOSPERSE® HIDE 1000

High Performance Hydrophobic Copolymer Pigment Dispersant

GENERAL INFORMATION

NUOSPERSE® HIDE 1000 is an ammonium salt of a unique hydrophobic copolymer dispersant that optimizes the TiO₂ spacing to enable improved hiding power in water-based paints. It also improves properties as spread rate while keeping good water resistance, stain resistance and wet adhesion. When used in combination with the appropriate NiSAT (Nonionic Associative) thickeners, **NUOSPERSE® HIDE 1000** can provide alkyd-like flow and leveling performance. This synergy not only enhances gloss potential but also results in increased water resistance properties, further improving the durability and appearance of water-based paint formulations.

CHEMICAL & PHYSICAL PROPERTIES

Composition	Polymeric hydrophobic copolymer
Appearance	Clear to slightly yellow, slightly hazy liquid
Active Content	35%
Density	1.09
Brookfield viscosity cps	<12,000
Solvent	40/60 propylene glycol / water
pH Value	9.0-10.00

APPLICATIONS

- Decorative coatings
- Interior and Exterior
- Wall Paints

KEY PROPERTIES

- Excellent color properties, improve opacity and tinting strength
- Optimizing dispersion and spacing of TiO₂ particles leads to optimized usage and cost effectiveness
- Balance between ionic and steric stabilization to prevent pigment flocculation during storage and film drying stage
- Excellent compatibility with all latex resins systems and NiSAT rheology modifiers

NUOSPERSE® HIDE 1000

INCORPORATION

Incorporation should be done at grinding phase prior to the addition of any filler and pigment

LEVELS OF USE

Typical use levels of **NUOSPERSE® HIDE 1000** are 0.3% to 1.0% (dispersant solids weight) on total system, or 2% to 5% over pigment and filler content. The quantity of **NUOSPERSE® HIDE 1000** to be added depends on the pigment type and milling method. We suggest that you determine the maximum applicable quantity by means of lab trials.

A dispersant demand curve at laboratory should be performed to determine the lower possible viscosity scaling up to production should be added 0.05%.

SHELF LIFE

NUOSPERSE® HIDE 1000 has a shelf life of 2 (two) years from date of manufacture.

STORAGE RECOMMENDATIONS

Should be kept above 4°C (40°F). In the event of accidental freezing, thaw gently, spread a portion between glass slides and examine for granules. If found, do not use.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards

HEALTH & SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

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