

NUOSPERSE® FX 618

High Performance Hydrophobic Copolymer Pigment Dispersant

GENERAL INFORMATION

NUOSPERSE FX 618 is the ammonium salt of a hydrophobic copolymer dispersant, intended for use in high performance interior and exterior water based coatings. It can provide alkyd like flow and leveling performance when used in combination with the appropriate NiSAT (Nonionic Associative) thickeners. It offers improved gloss potential, increased water resistance properties and improved stability with zinc oxide and other reactive pigments.

CHEMICAL & PHYSICAL PROPERTIES

Appearance	Clear to slightly yellow, slightly hazy liquid
Active content	34 - 36 %
Solvent	40/60 propylene glycol / water
Specific Gravity	1.08 – 1.10
Viscosity (cps)	2000-12000
pH (ASTM D1127)	9.3 – 9.8

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Interior and exterior architectural coatings
- Water based industrial maintenance coatings
- Wood and metal primers
- Stain and corrosion resistant enamel topcoats

KEY PROPERTIES

- Outstanding flow and leveling when used in combination with NiSAT thickeners.
- High gloss in a variety of WB enamel systems
- Compatible with a broad range of coatings
- Superior water resistance
- Stability with ZnO and other reactive pigments

INCORPORATION

NUOSPERSE FX 618 should be incorporated in the mill base before pigment addition.

LEVELS OF USE

Typical use levels of **NUOSPERSE FX 618** are 2 % to 5 %, based on pigment weight. Levels will vary based on formulation and milling methods, and a ladder study should be done to optimize grind viscosity and coating performance.

HEALTH AND SAFETY

Before using, consult the safety data sheet (SDS) for information on the safe handling, use and storage of this product. SDS's can be found on the Elementis web site: www.elementis.com

STORAGE RECOMMENDATIONS

NUOSPERSE FX 618 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. Store in a tightly closed container.

SHELF LIFE

NUOSPERSE FX 618 has a shelf life of 2 years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

© Copyright 2020, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

© Trademark of Elementis Specialties, Inc.

V01 March 2020

North America

Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe

Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Asia

Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563