

NUOSPERSE® FA 196

Pigment Dispersing Agent

GENERAL INFORMATION

NUOSPERSE FA 196 is a highly concentrated liquid pigment dispersing agent for application in organic solvent-borne systems. **NUOSPERSE FA 196** is especially recommended for application as a dispersing agent for carbon black, for thermoplastic acrylic systems and as an auxiliary product to improve the action of universal tinting pastes in basic alkyd paints.

CHEMICAL & PHYSICAL PROPERTIES

Appearance 20 °C	clear liquid
Active content	100 %
pH, 1 % solution in water (ASTM D 1172)	5.0 - 6.0
Density, 20 °C (ISO 2811-2)	approx. 1040 kg/m ³
Viscosity, 25 °C (ASTM D 2196)	max. 1200 mPa.s
Colour, 25% solution in water (DIN-EN 1557)	max. 150 Alpha
Solubility	soluble in water and most organic solvents
Composition	surface active compound
Ionic character	anionic

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

APPLICATIONS

- **NUOSPERSE FA 196** is applicable in practically all organic solvent-borne paint and ink systems e.g., oxidatively drying systems, and thermoplastic systems.

KEY PROPERTIES

FEATURE	CONSEQUENCE
<ul style="list-style-type: none"> • Strong adsorption on a wide range of pigment surfaces 	<ul style="list-style-type: none"> - improved colour development - better and faster dispersion - reduced rub-up and colour float - improved compatibility of universal colorants
<ul style="list-style-type: none"> • Multi-functional character 	<ul style="list-style-type: none"> - absorbs onto a wide variety of pigments - enables the replacement of several more specific dispersants with just one product
<ul style="list-style-type: none"> • 100% active matter 	<ul style="list-style-type: none"> - solvent-free - highest effectiveness

INCORPORATION

As a dispersing agent for carbon black:

An addition of ca. 1 % of **NUOSPERSE FA 196**, calculated on the total quantity of the milling paste improves the colouring power and counteracts flocculation of various types of carbon black.

NUOSPERSE FA 196 must be added before the dispersing process.

As a pigment dispersing agent in thermoplastic acrylic systems and in non-aqueous dispersions:

In both of the above mentioned systems, **NUOSPERSE FA 196** gives the following advantages:

- Higher gloss
- Better colouring power
- Better and quicker dispersion

The product must be applied at a dosage of ca. 1.0 % calculated on the milling paste, before the dispersing process.

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As an auxiliary product to improve the performance of universal tinting pastes in standard alkyd paint:

NUOSPERSE FA 196 forms a bridge between the alkyd paint and the universal tinting paste, which results in better flow, colouring power, gloss and stability.

The required dosage of **NUOSPERSE FA 196** is 0.2 - 0.4 % calculated on the total quantity of alkyd paint.

As a wetting agent in paint removers and brush cleaners:

NUOSPERSE FA 196 improves the penetration of the paint remover into the paint layer and of the brush cleaner into the brush. We recommend a dosage of 2 - 6 % calculated on the total amount of the paint remover or brush cleaner.

As a wetting agent in universal pigment dispersions:

Pigment dispersions based on **NUOSPERSE FA 196** in combination with **NUOSPERSE FN 265** are used for the shading of various coatings, such as dispersion paints and alkyd paints etc. Normally up to 10% of the pigment slurry may be added to the coating.

As a wetting / dispersing agent in solvent based inks:

Pigment dispersions based on **NUOSPERSE FA 196** provide the following advantages:

- Better pigment wetting
- Better colour strength
- Better flow

HEALTH AND 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.

SHELF LIFE

NUOSPERSE FA 196 has a shelf life of 3 (three) 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.

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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