

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.

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

APPLICATION AND PROPERTIES

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

FEATURE CONSEQUENCE

- Strong adsorption on a wide range of pigment surfaces
 - improved colour development
 - better and faster dispersion
 - reduced rub-up and colour float
 - improved compatibility of universal colorants
- Multi-functional Character
 - absorbs onto a wide variety of pigments
 - enables the replacement of several more specific dispersants with just one product
- 100% active matter
 - solvent-free
 - highest effectiveness
- 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 DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage.

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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