



GENERAL INFORMATION

NUOSPERSE FA 196 is a highly concentrated liquid pigment dispersing agent for application in organic solvent-based 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	clear liquid
Color	25% solution in water: max. 150 Apha (DIN-EN 1557)
Viscosity	25 °C: max. 1200 mPa.s (ASTM D 2196)
Active matter	100 %
pH	1 % solution in water: 5.0 - 6.0 (ASTM D 1172)
Solubility	soluble in water and most organic solvents
Density	20 °C: approx. 1040 kg/m3 (DIN 53217/3)
Composition	surface active compound
Flashpoint	>100 °C (ASTM D 92)
Ion character	anionic

APPLICATION AND PROPERTIES

NUOSPERSE FA 196 is applicable to practically all organic solvent-based paint 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
- > reduces rub-up and colour float
- > improved compatibility of universal colorants

Multi-functional Character

- > absorbs onto a wide variety of pigments
- > enables the replacement of various more specific dispersants with just one product

100% active matter

- > solvent-free
- > highest effectivity

- As a dispersing agent for carbon black:

An addition of approx. 1 % of NUOSPERSE FA 196, calculated on the total quantity of the milling paste improves the coloring 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 approx. 1 % calculated on the milling paste, before the dispersing process.

- As an auxiliary product to improve the performance of universal tinting pastes in basic 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.

HANDLING AND SAFETY

More detailed information on handling and safety for each product is included in the relevant material safety data sheet, available for each product.

QUALITY ASSURANCE

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

All data in this leaflet should be considered as merely general information; we cannot assume any responsibility for the use of the product(s) mentioned herein, the conditions under which they are applied in practice being subject to many variations. Nor can we assume responsibility with regard to certain applications that may be covered by patents.