

Pigment Dispersing Agent

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
 Active matter : 100 %
 pH, 1 % solution in water
 (ASTM D 1172): 5.0 – 6.0
 Density, 20 °C
 (DIN 53217/3) : approx. 1040 kg/m³
 Viscosity, 25 °C
 (ASTM D 2196): max. 1200 mPa.s
 Colour, 25% solution in water
 (DIN-EN 1557) : max. 150 Apha
 Solubility : soluble in water and
 most organic solvents
 Flash point
 (ASTM D 92) : >100 °C
 Composition : surface active compound
 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
<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 - reduces 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 various 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 effectivity
<ul style="list-style-type: none"> □ As a dispersing agent for carbon black: 	<p>An addition of approx. 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.</p>
<ul style="list-style-type: none"> □ As a pigment dispersing agent in thermoplastic acrylic systems and in non-aqueous dispersions: 	<p>In both of the above mentioned systems, NUOSPERSE® FA 196 gives the following advantages:</p> <ul style="list-style-type: none"> • 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.

(continued)

The information in this publication is intended to serve as guide but is not necessarily complete and is given without warranty. We recommend all users to determine the suitability of our products for their intended uses and caution them to comply with statutory obligations and to avoid infringing rights of third parties. We encourage users to contact us to discuss problems involving our products in order to facilitate their use.

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- 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.

- As a wetting agent in universal pigment dispersions:

Pigment dispersions based on NUOSPERS®E 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.

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.

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