

Dispex® Ultra FA 4425

general

dispersing agent

Dispex® Ultra FA 4425 stabilizes all kinds of pigments in water- and solvent-based systems, especially in decorative coatings. In addition it makes the polar ingredients of universal colorants which are used in non-polar solvent-based paints more compatible. This results in:

- maximum color development of the colorant
- higher pigment loading
- optimum color acceptance of the colorants in the base-paints

chemical nature

fatty-acid-modified polyester

Properties

physical form

brownish liquid

storage

Dispex® Ultra FA 4425 should be stored in a cool and dry place. Protect from temperatures below 10°C.

typical properties (no supply specification)

active ingredients	100 %
density at 20 °C (68 °F)	~ 1.04 g/cm ³
acid value	~ 46 mg KOH/g
amine value, potentiometric	~ 47 mg KOH/g
Gardner color number	≤ 18

Application

Dispex® Ultra FA 4425 is used as a dispersing and wetting agent and is suitable for the formulation of VOC-free systems, particularly universal colorants. Added to the (solvent- or water-based) base paint, Dispex® Ultra FA 4425 increases compatibility and color acceptance, especially in water-based decorative paints and systems with ultra-low aromatics content.

recommended concentrations

Calculation method for the required amount of active ingredient:

universal colorants, inorganic pigments	5.0 – 10.0 % on pigment weight
universal colorants, organic pigments	10.0 – 20.0 % on pigment weight
base paints	0.5 – 1.5 % on total base paint

Dispex® Ultra FA 4425 can be incorporated into the mill base or used as a post additive. For lowest viscosity, Dispex® Ultra FA 4425 should be neutralized to a pH of 8.0 – 8.5 before being added to the mill base.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex Ultra FA 4425.
Dispex Ultra FA 4425, Dispex Ultra FA 4425 AN

Safety

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

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