

AFCONA – LE 1023



Chemical Composition

Fatty acid modified polyester

Product general description

Solvent-free wetting and dispersing additive for universal colorants.

Product Properties

AFCONA – LE 1023 is an effective dispersing agent for the preparation of solvent-based and water-based pigment concentrate.

AFCONA – LE 1023 is a hydrophilic high molecular weight dispersing agent that can dissolve easily in water. It stabilizes pigments through steric hindrance, and it is particularly suitable to disperse difficult organic pigments.

AFCONA – LE 1023 is complete water-soluble and does not need to be neutralized. The special molecular structure of LE 1023 provides excellent compatibility in all water-based systems for decorative applications.

AFCONA – LE 1023 is also highly compatible with many solvent-based long oil alkyd systems.

AFCONA – LE 1023 due to its fatty acid structure provides to the universal colorants an excellent water resistance. This characteristic is particularly appreciated in universal colorants used in façade paints where a high resistance to “snail traces” is requested.

AFCONA – LE 1023 is used in the formulations of universal colorants as an effective co-binder in combination with glycols.

High water-resistant formulation will require at least a ratio 1:1 between the additive and the glycol. Higher additive amounts improve further the water resistance.

Note: AFCONA – LE 1023 if exposed to temperatures below 5°C can become hazy. The additive will return to normal clear appearance after storage at a room temperature of minimum 20°C. This will not influence the quality.

Product specification

Active ingredients	≥92%
Density at 20 °C	0,98 – 1.08 g/cm ³
Acid value	13 - 23 mg KOH/g
Amine value	33 – 43 mg KOH/g

Addition and dosage

Calculation method for the required amount of additive on total formulation:

TiO ₂ and inorganic pigments	: 4 - 5%
Organic pigments	: 8 – 10%
Carbon blacks	: 10 - 15%

Incorporation

AFCONA – LE 1023 must be added during the pigment dispersion process.

Storage

AFCONA – LE 1023 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 3 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25 kg and 190 kg non-returnable containers