

AFCONA – 5251



Chemical Composition

Polymer with acidic pigment affinity groups, solvent-free

Product general description

Non-ionic dispersant for deflocculation of transparent iron oxides

Product Properties

AFCONA-5251 is a dispersant mainly developed for dispersing and stabilizing transparent iron oxide pigments.

This results in:

- Optimum transparency
- Higher colour strength
- flocculation stability
- lower viscosity

AFCONA-5251 could also be used as a dispersant for other inorganic pigments and extenders, where it reduces the viscosity in the dispersion. Therefore it is very useful in high filled systems.

AFCONA-5251 differs from AFCONA-5051, because it is solvent-free. This makes this product very suitable in solvent-free or high solid applications

AFCONA-5251 is recommended for manufacturing resin free or resin containing transparent iron oxide pigment concentrates for decorative as well as for industrial paints. Very stable concentrates up to 40% could be formulated.

Note: AFCONA – 5251 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

Active ingredients	≥ 95%
Density at 20 °C	1.02 – 1.06 g/cm ³
Flash Point	> 100°C
Acid value	105 - 115 mg KOH/g
Appearance	brown viscous liquid

Note : As this is a new product, above specification can be change according to production value.

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

Transparent iron Oxides	: 10 – 20%
TiO ₂	: 2 - 3%
Other inorganic pigments	: 2 - 4%

Incorporation

AFCONA-5251 should be incorporated in the mill base before adding the pigments

Storage

AFCONA-5251 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25 kg and 190 kg non-returnable containers