

# 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.

## Product Specification

Non-volatile matter	≥98% (120°C,0.5h)
Density	1.08 – 1.12 g /cm <sup>3</sup> (20°C)
Acid Value	105 – 115
Gardner color	Max.9
Appearance	Clear to yellow to brownish liquid(25°C)

## Addition and dosage

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

Transparent iron Oxides	: 10 – 20%
TiO <sub>2</sub>	: 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

30kg and 220kg non-returnable containers

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.