

# AFCONA - 5051



## Chemical Composition

Polymer with acidic pigment affinity groups

## Product general description

Non-ionic dispersant for deflocculation of transparent iron oxides

## Product Properties:

AFCONA-5051 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
- better storage stability

AFCONA-5051 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-5051 differs from AFCONA-5251, by the solvents content. This makes this product in area with temperatures below 5°C easier in handling

AFCONA-5051 is recommended for manufacturing of resin free pigment or resin containing iron oxide pigment concentrates for decorative as well as for industrial paints. Very stable concentrates could be formulated.

Note: AFCONA – 5051 will become slightly hazy at temperatures 5° C. This will not influence the quality and do not need re-heating.

## Product Specification

Non-volatile matter 79 - 81% (150°C,0.5h)

Solvent PMA

Acid Value 85 - 95 mg KOH/g

Flash point 44°C

Gardner color Max.8

Appearance brown viscous 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> :1-4%

Other inorganic pigments :3-10%

## Incorporation

AFCONA-5051 should be incorporated in the mill base before adding the pigments

## Storage

AFCONA-5051 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

30 kg and 210 kg non-returnable containers

AFCONA ADDITIVES

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

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This version replaces all previous ones.