

# AFCONA – 4071



## Chemical Composition

Modified polyurethane polymer

## Product general description

High molecular weight polymeric dispersant for deflocculation of all type of pigments

## Product Properties

AFCONA- is a result of an innovative concept of polyurethane dispersants. This innovative technology is based on an own new developed intermediate monomer and own new developed anchoring groups.

AFCONA – 4071 is an improve version of AFCONA – 4070 at higher solid content.

Comparing to AFCONA – 4070, AFCONA – 4071 has below special and improved properties:

- 1) AFCONA – 4071 has better performance in carbon black dispersing property. Gives very goods blue under tone with high jetness.
- 2) AFCONA – 4071 will not cause crystallization in low temperature. Even at 15° C below zero (-15° C) only slight haziness will be observe.
- 3) Better compatibility with CAB especially 551 series.
- 4) Overall pigment stability and performance is better in term of tinting strength and color brightness.

Note:

- 1) AFCONA – 4071 will become slightly hazy at temperatures below 5° C. Even at -15° C the slight haziness stay the same. This will not influence the dispersing quality.

## Product specification

Active ingredients	44 - 46%
Solvent	Butylacetate/Methoxy Propyl Acetate / Butanol / Xylene
Density at 20 °C	0.94 – 0.96g/cm <sup>3</sup>
Amine value	5 - 10 mg KOH/g
Flashpoint	24°C
Colour	max.6

## Addition and dosage

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

TiO <sub>2</sub>	: 2 - 3%
Other inorganic pigments	: 2 - 4%
Organic pigments	: 20 - 40%
Carbon blacks	: 20 - 60%

## Incorporation

AFCONA-4071 should be incorporated in the mill base before adding the pigments.

## Storage

AFCONA-4071 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