

AFCONA – 4067



Chemical Composition

Modified polyurethane polymer

Product general description

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

Product Properties

AFCONA-4067 is BTX free version of a high molecular weight dispersing agent. This dispersant is very effective in inorganic pigments, organic pigments and carbon black dispersion preparation; due to its very effective 3 dimensional steric hindrances designed that lead to good stability for all pigments. This is a very good dispersant for organic red, yellow and violet pigments.

AFCONA – 4067 is specially design for all solvent based system where it gives very good viscosity reduction, pigment stability and improvement of color strength.

AFCONA – 4067 has below special properties and recommended in below systems:

- 1) AFCONA – 4067 is the modification from our existing PU series dispersant where it has both excellent performances in viscosity reduction and compatibility.
- 2) AFCONA – 4067 is recommended for all high quality industrial paints. However for acid catalysis system, it may have some sensitivity towards the common used acid catalysts.
- 3) The adaptation of AFCONA – 4067 to paint systems polarities are excellent, therefore it is highly recommended to use in pigment concentrates preparation for low to high polar paint systems.
- 4) With all above advantages mentioned above, AFCONA – 4067 also does not contain any aromatic solvents like xylene, Toluene and Benzene (BTX Free).

Note: AFCONA – 4067 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

Active ingredients	: 44 - 46%
Solvent	: butylacetate/ methoxypropylacetate
Density at 20 °C	: 0.99 – 1.01g/cm ³
Amine value	: 5 - 15 mg KOH/g
Flashpoint	: 27°C
Colour	: max.6
Appearance	: Light yellowish liquid

Addition and dosage

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

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

Incorporation

AFCONA-4067 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4067 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