

AFCONA – 4070



Chemical Composition

Modified polyurethane polymer

Product general description

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

Product Properties

AFCONA-4070 is a very effective polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon blacks. It has very good stability performance, through effective steric hindrance, on all type of pigments

This results in:

- improved gloss and DOI
- reduced flooding problems
- higher colour strength
- lower viscosity
- increased jetness of high channel carbon black

AFCONA – 4070 has below special properties and recommended in below systems:

- 1) AFCONA-4070 is an improved version of AFCONA-4060. It gives better pigment stability performance. Furthermore, the viscosity depressing property of AFCONA – 4070 is very strong
- 2) AFCONA-4070 is recommended for all baking paints especially for coil coatings. It also can be used for other resin systems as long as it is compatible.
- 3) AFCONA – 4070 has crystallization at low temperature, below 15° C. Thus an improve version, AFCONA – 4071, is must better in term of anti-crystallization, pigment stability and compatibility with CAB.
- 4) After the introduction of AFCONA – 4071, this is not our main recommended product.

Note: AFCONA – 4070 will start crystallization at temperatures below 15° C.

Product specification

Active ingredients	29 – 31%
Solvents	Butylacetate / Methoxy Propyl Acetate/ Xylene/Butanol
Density at 20 °C	0.94 – 0.96 g/cm ³
Amine value	6 - 16 mg KOH/g
Flashpoint	24°C
Colour	max.6
Appearance	slight 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-4070 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4070 should be stored in a cool dry place, preferably at room temperature. 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