

# AFCONA-4053



## Chemical Composition

Solution of modified polyester polymer.

## Product general description

High molecular weight polymeric dispersant for all types of pigments.

## Product properties

AFCONA-4053 is based on the latest structure of steric hindrance and newly designed anchoring groups. It offers excellent wetting and dispersing performance for inorganic, organic pigments and carbon black. It can also reduce the viscosity of high pigment content paste and provides better long-term storage stability of pigment concentrates.

AFCONA-4053 has the following properties:

- 1) Good compatibility in almost all resin systems.
- 2) Suitable for manufacturing all kinds of pigment concentrates and efficiently reduce the viscosity of the pastes.

## Product Specification

Non-volatile matter	38 - 41% (150°C, 0.5h)
Solvent	Propylene glycol methyl ether acetate
Density	1.00 - 1.04 g/cm <sup>3</sup> (20°C)
Acid value	1 - 3 mg KOH/g
Amine value	2 - 5 mg KOH/g
Gardner color	Max. 9
Flash point	44°C
Appearance	Transparent, brownish-yellow liquid (25°C)

## Addition and dosage

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

TiO <sub>2</sub> :	2-5%
Other inorganic pigments :	5-10%
Organic pigments :	20-50%
Carbon blacks:	30-80%

## Incorporation

AFCONA-4053 should be incorporated in the mill base before adding the pigments.

## Storage

AFCONA-4053 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

## Packaging

25kg and 200 kg non-returnable containers.

**For product safety information: please refer to the product SDS.**