

# AFCONA-K258-12



## Chemical Composition

Solution of modified polyurethane high molecular weight polymer.

## Product general description

High molecular weight polymeric wetting and dispersing additive for dispersion and stabilization of all pigment types.

## Product properties

AFCONA-K258-12 provides excellent deflocculation of all kinds of pigments. As a result of the small particle sizes of the deflocculated pigments, high levels of gloss can be achieved and the color strength is improved. AFCONA-K258-12 reduces viscosity, improves flow characteristics and allows higher pigment loading.

AFCONA-K258-12 shows excellent stabilization of both inorganic and organic pigments. The additive is recommended for solvent-borne industrial coatings and in particular for coil coatings.

AFCONA-K258-12, unlike typical polyurethane dispersants, has little to no negative effect on the cure of acid-catalyzed amino baking systems.

Note: AFCONA-K258-12 may crystallize when stored at or below 4°C. Heat it up and mix well. This will not affect its performance.

## Product Specification

Non-volatile matter	29 - 32% (120°C, 0.5h)
Solvent	Propylene glycol methyl ether acetate/Xylene/Butyl acetate/Sec-butanol
Density	0.93 - 0.97 g/cm <sup>3</sup> (20°C)
Acid value	8 - 14 mg KOH/g
Flash point	26°C
Appearance	Clear to slightly hazy, yellow liquid (25°C)

## Addition and dosage

Calculation method for the required amount of AFCONA-K258-12 on pigment:

Inorganic pigments :	2 - 10%
Organic pigments :	20 - 40%
Carbon blacks :	30 - 80%

## Incorporation

AFCONA-K258-12 should be added in the mill base before adding the pigments, with additional shear force to ensure thorough mixing.

## Storage

AFCONA-K258-12 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 180kg non-returnable containers

**For product safety information: please take reference of SDS.**

AFCONA ADDITIVES

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

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This version replaces all previous ones.