

# AFCONA – 4720



## Chemical Composition

Modified polyacrylate blocked polymer

## Product general description

AFCONA – 4720 is a 100% active, solvent-free dispersing agent based on an AB blocked polymer and a group of anchoring agents. Its advanced 3 block high molecular weight structure allows the development of pigment dispersions that show better compatibility in broad applications.

## Product Properties

AFCONA-4720 demonstrates the following advantages:

- good compatibility across a broad range of binder systems including TPA's and NC-based systems
- recommended for Auto OEM and VR coatings as well as other high performance systems
- performance in high jet black dispersions is excellent. Gives very good jetness to difficult high jet black pigments.

Due to the specific anchoring group architecture, the product color is rather dark but this will not influence the final coating performance.

Note: AFCONA – 4720 will become slightly hazy at temperatures below 5° C. This will not affect the quality.

## Product specification

Active ingredients	≥ 96%
Density at 20 °C	1.058 – 1.078g/cm <sup>3</sup>
Amine value	22 - 27 mg KOH/g
Acid value	16 - 21 mg KOH/g
Flashpoint	> 100°C
Colour	max. 18
Apperance	Brownish liquid.

## 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-4720 should be incorporated in the mill base before adding the pigments.

## Storage

AFCONA-4720 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

55lb and 419lb non-returnable containers