

# AFCONA - 5290



## Chemical Composition

Polymer with pigment affinity groups.

## Product general description

100% solid of high molecular weight dispersant.

## Product Properties:

AFCONA – 5290 are 100% solid dispersant created for high-solid systems and formulations that are facing VOC limitation.

AFCONA – 5290 is suitable for all solvent based systems ranging from low polar to high Polarity, including air-dry alkyd.

AFCONA – 5290 has very good pigment stability and performance. It gives good viscosity reduction and high colour strength.

AFCONA – 5290 provided with almost 100% active ingredients; therefore, it is an excellent dispersant for high-solid coatings like polyurethane, epoxy and UV coating.

This product is a very interesting dispersant for ink formulations. The 100% active nature of AFCONA – 5290 allows the formulator free choice of solvents for the finished product.

### Note:

AFCONA – 5290 will become slightly hazy at temperatures below 5° C. This will not influence the performance of the product.

## Product Specification

Non-volatile matter	≥ 96% (120°C,0.5h)
Density	1.00 – 1.04 g/cm <sup>3</sup> (20°C)
Amine Value	5 – 10 mg KOH/g
Acid Value	7 - 15 mg KOH/g
Flash point	>100°C
Appearance	Transparent to slightly hazy,brown liquid(25°C)

## Addition and dosage

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

Titanium dioxide and other fillers	2.0 - 3.0%
Other inorganic pigments	2.0 - 4.0%
Organic pigments	20 - 40%
Carbon blacks	20 - 60%

## Incorporation

AFCONA – 5290 should be incorporated before milling. Make sure well mixed with base resin by required shear force.

## Storage

AFCONA-5290 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

25kg and 200kg non-returnable plastic containers

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

This information and all further technical advice are based on our present knowledge and experience. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used. We reserve the right to make any changes according to science and technological progress or further developments.

This version replaces all previous ones.