

AFCONA-5290E



Chemical Composition

Polymer with pigment anchoring groups.

Product general description

100% solids high molecular weight dispersant.

Product Properties

AFCONA-5290E is a 100% solid dispersant created for high-solid systems and formulations that are facing VOC limitations.

The characteristics and recommended systems for AFCONA-5290E are as follows:

- 1) AFCONA-5290E is suitable for all solvent-based systems ranging from low to high polarity, including air-drying alkyd.
- 2) AFCONA-5290E has very good pigment stability and overall performance. It gives good viscosity reduction and high colour strength.
- 3) AFCONA-5290E is provided with almost 100% active ingredients; therefore, it is an excellent dispersant for high-solid coatings like polyurethane, epoxy and UV coating.
- 4) This product is a very interesting dispersant for ink formulations. The 100% active nature of AFCONA-5290E allows the formulator free choice of solvents for the finished product.

Note: AFCONA-5290E may become slightly hazy when stored at or below 5°C. This will not affect the quality and the dispersion performance.

Product Specification

Non-volatile matter	≥ 98% (120°C, 0.5h)
Density	1.00 - 1.04 g/cm ³ (20°C)
Acid value	16 - 24 mg KOH/g
Amine value	12 - 18 mg KOH/g
Gardner color	Max.18
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:

TiO ₂ and other fillers:	2.0 - 3.0%
Other inorganic pigments:	2.0 - 4.0%
Organic pigments:	20 - 40%
Carbon blacks:	20 - 60%

Incorporation

AFCONA-5290E should be added before pigment dispersion and mixed uniformly with the base resin system using shear force.

Storage

AFCONA-5290E 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

30kg and 200kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.