

AFCONA – 5280



Chemical Composition

Cationic/anionic co-polymer with pigment affinity groups

Product general description

Wetting and dispersing additive for solvent-based paints

Product Properties

AFCONA - 5280 is in overall the best conventional wetting and dispersing additive. It is economical and still gives very good performance in pigment stabilizing. The performance of AFCONA – 5280 is close to high molecular weight dispersing agents.

AFCONA – 5280 has below special properties and recommended in below systems:

- 1) Very good performance in alkyd based systems like NC, stoving paint and air-drying alkyd.
- 2) Suitable for oil and solvent-based printing inks. It has very good alcohol solubility.
- 3) A good co-grinding agent for all solvent-based system.
- 4) Combined with the universal resin AFCONA – 1102 recommended for the preparation of universal pigment concentrates. These pigment concentrates have below advantages:
 - Easy incorporation (even by hand stirring) in NC, thermoplastic acrylic, CAB and polyurethane
 - Economical, because AFCONA – 5280 is supplied in nearly 100% active ingredient version
 - Good pigment stability for most pigments, even with PV23

Note: AFCONA – 5280 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

Active ingredients	≥96%
Density at 20 °C	0.95 – 1.05 g/cm ³
Acid value	25 – 40 mg KOH/g
Amine value	20 – 35 mg KOH/g
Colour	max. 18
Appearance	dark brown liquid

Addition and dosage

0.5 - 1.5% based on TiO₂ or extenders

3.0 - 5.0% based on other inorganic pigments

10 – 30% based on organic pigment.

Incorporation

AFCONA - 5280 should be added prior to the pigment dispersion process.

Storage

AFCONA - 5280 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

25 kg and 200 kg non-returnable containers