

AFCONA - 2050



Chemical Composition

silicone free defoamer.

Product general description

This is a strong defoamer with levelling performance for all solvent-based coatings.

Product properties

AFCONA – 2050 is a unique defoamer. It has very strong defoaming and anti-foam performances with additional good levelling. This in contrary with most of the other defoamers, which influence the levelling performance negatively.

AFCONA-2050 is suitable for solvent- based coatings, printing inks and thermosetting resin systems. It eliminates foam and blistering, regardless whether the air bubbles are caused by the substrate.

As mentioned, AFCONA-2050 has very strong defoaming as well as anti-foaming properties. In most cases, the de-aeration property is satisfactory. To improve further the de-aeration performance, a combination with silicone defoamers like: AFCONA-2023 or AFCONA-2045 at 0.1-0.2% is recommended..

AFCONA-2050 is particularly suitable for the following applications:

- 1) Nitrocellulose lacquers and acid-cured wood finishes especially those applied by curtain coaters
- 2) Two-component polyurethane lacquers, except for high gloss clear (due to it high incompatibility), which are applied by spraying or brushing
- 3) Cold cured epoxy resin systems, as well as unsaturated polyester systems (SMC, BMC and gel coats)
- 4) Baking paint applied by curtain coater and dipping
- 5) Any other solvent based system where in-can transparency is not important likes coloured and matted systems.

Note: Not suitable for air drying alkyd systems.

Product Specification

Solvent	SBP spirit/PMA
Density at 20°C	0.83 – 0.86 g /cm ³
Refractive index	1.430 – 1.440
Flash point	44°C
Appearance	Clear to slightly yellowish liquid

Addition and dosage

0.1- 1.0% on total formulation. In general under normal conditions, the dosage is 0.20 – 0.50% based on total formulation.

Incorporation

As a strong defoaming agent, AFCONA- 2050 is recommended to be incorporated prior during pre-mix. If added subsequently, good dispersion must be ensured.

Storage

AFCONA-2050 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

20kg and 170kg non-returnable containers

AFCONA Polymers Co., Ltd.

Web Site : 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.