

AFCONA - 2024



Chemical Composition

Silicone free polymer

Product general description

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

Product Properties

AFCONA – 2024 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-2024 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-2024 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-2024 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.

Not suitable for air dry alkyd systems

Product specification

Solvent	SBP spirit / PMA
Density at 20 °C	0.83 - 0.85 g/cm ³
Refractive index	1.430 – 1.440
Flashpoint	30 °C
Appearance	slight yellowish to transparent 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- 2024 is recommended to be incorporated prior during pre-mix. If added subsequently, good dispersion must be ensured.

Storage

AFCONA – 2024 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 170 kg non-returnable containers