

AFCONA - 2020



Chemical Composition

Modified polyvinyl polymer, silicone free

Product general description

This is a very strong defoamer for all solvent-based coatings, not suitable for transparent high gloss clear topcoat.

Product Properties

AFCONA – 2020 is a very strong defoamer for most solvent-based systems. Even at low dosage AFCONA-2020 already can act as a very strong defoamer. Strong defoamers have strong incompatibility, therefore, AFCONA – 2020 can easily causes in-can haziness in high gloss clear coats even at low dosage. However, in the dry film the influence on gloss is minimal.

AFCONA-2020 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-2020 has very high defoaming as well as anti-foam 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-2020 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.

Product specification

Solvent	SBP spirit 140/165
Density at 20 °C	0.76 - 0.80 g/cm ³
Reflective index	1.415 – 1.425
Flashpoint	30 °C
Appearance	slight yellowish to transparent liquid

Addition and dosage

0.1- 0.7% on total formulation. In general under normal conditions, the dosage is 0.15 – 0.30% based on total formulation.

Incorporation

As a strong defoaming agent, AFCONA- 2020 is recommended to be incorporated prior during pre-mix. If added subsequently, good dispersion must be ensured.

Storage

AFCONA – 2020 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

20 kg and 150 kg non-returnable containers