

# AFCONA - 2020



## Chemical Composition

Modified polyvinyl silicone free polymer.

## 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 an highly effective defoamer, suitable for the majority of solvent-based systems, demonstrating outstanding performance even at extremely low dosages.

However, due to this strong defoaming feature, it might cause in-can haziness.

Nevertheless, this phenomenon has a minimal impact on the dry film gloss.

AFCONA-2020 also features strong anti-foaming performances and it is therefore ideal for printing ink and thermosetting systems too. It also effectively eliminates bubbles caused by air trapped in the substrate.

In high foam sensitive system, where further defoaming effect might be required, AFCONA-2020 could be combined with 0.1%-0.2% of polysiloxane defoamer, like AFCONA-2023 or AFCONA-2045.

AFCONA-2020 is recommended for:

- 1) Nitrocellulose lacquer and acid-cured wood lacquer (especially suitable for curtain coating processes).
- 2) Two-component polyurethane paint (not recommended for high-gloss varnish) for spraying and brushing.
- 3) Room-temperature curing epoxy resin and unsaturated polyester systems (like SMC, BMC and gel coat coatings).
- 4) Baking varnish system (dipping coating and flow processes).
- 5) Any solvent-based system with low requirements for in-can transparency (like various pigmented and/or matt paints).

## Product Specification

Solvent	Dearomatised Hydrocarbons solvent
Density	0.78 -0.82 g /cm <sup>3</sup> (20°C)
Refractive index	1.420 - 1.435 (25°C)
Flash point	31°C
Appearance	Transparent, yellowish liquid (25°C)

## Addition and dosage

0.1- 0.7% on total formulation. Under normal conditions, the dosage is 0.15 - 0.30% based on total formulation.

## Incorporation

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

## Storage

AFCONA-2020 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

20kg and 160kg non-returnable containers

**For product safety information: please take reference of SDS.**

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://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.