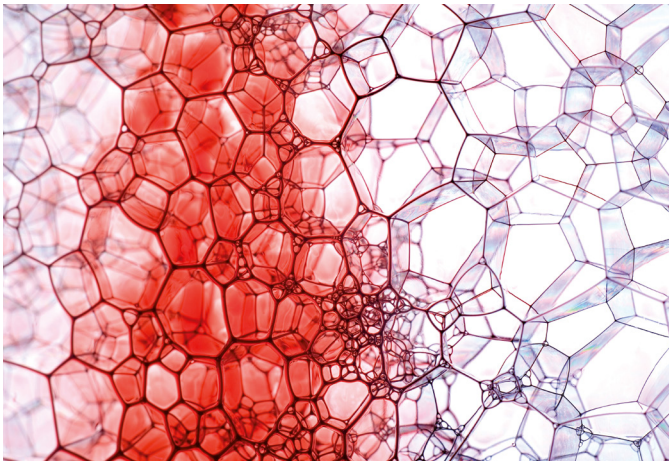
Defoamers for Printing Inks

The right choice to prevent and combat foaming problems in liquid inks

OUR LATEST DEVELOPMENTS

TEGO® Foamex 88xx – Our bio-based range for waterborne inks
TEGO® Foamex 8820 is powerful for the grind.
TEGO® Foamex 8850 is compatible for the let-down.
TEGO® Foamex 8880 is a hybrid technology for fast foam knock-down.
TEGO® Airex 978 – Powerful defoaming for RC and solventborne inks and varnishes **TEGO® Foamex 852, 844** and **812** – Defoamer concentrates for waterborne inks and varnishes. Superior efficiency & regulatory compliance



Why defoamers are needed

Printing applications are often highly dynamic and can introduce significant foam into the ink or varnish to be printed. This foam hinders ink transfer and can lead to unacceptable printing results. Even before printing begins, effective defoamers are of great importance during ink manufacture. Powerful grinding stage defoamers ensure high grinding efficiency and lay the foundation for an overall well defoamed ink after addition of a let-down stage defoamer. Furthermore, defoamers allow for fast and problem-free pumping and filling.

Choosing the right defoamer

Defoamers work via a controlled incompatibility mechanism within an ink or varnish. The challenge is to find an effective defoamer that does not cause surface defects upon ink application or reduce gloss in a varnish. Evonik Coating Additives offers a wide range of defoamers for waterborne, radiation-curing and solventborne inks and varnishes. Many are based on organo-modified polysiloxanes, which offer superior defoaming with good compatibility and long-term effectiveness.

Recently, we expanded our portfolio for waterborne inks with 3 defoamers containing greater than 50 % bio-content.

All our new developments target the broadest global food contact compliances.

The right defoamer

- Efficiently prevents and destroys foam
- Does not create surface defects
- Maintains effectiveness during storage
- Has good regulatory status
- Can be found with the help of our positioning charts

Click or scan the QR-code for more information!

EVONIK
Leading Beyond Chemistry

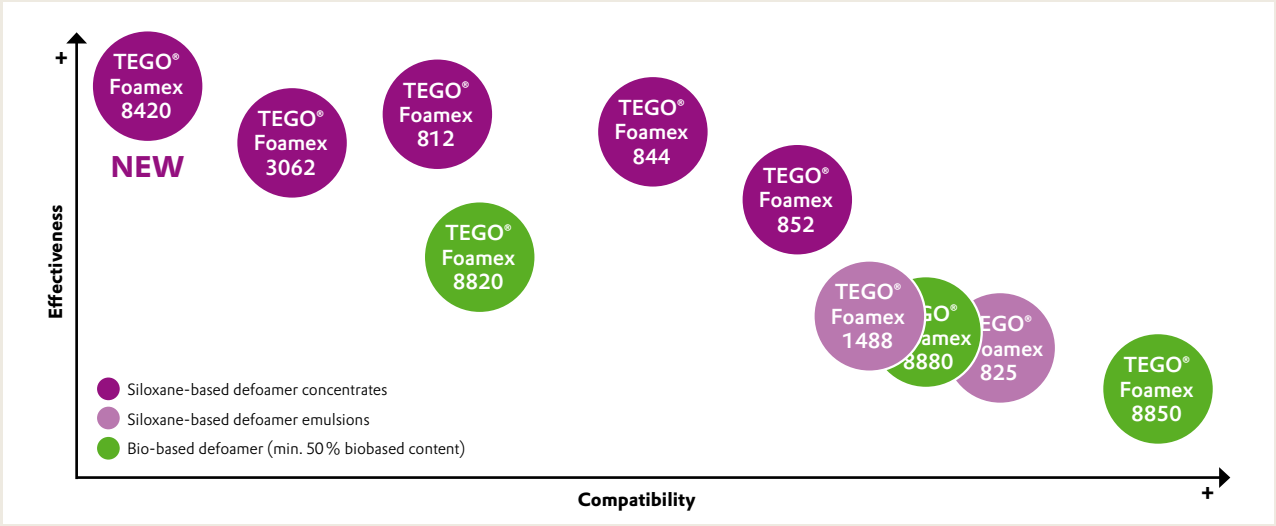
2025-02

TEGO® Foamex grades for waterborne inks and varnishes

Evonik Coating Additives provides a comprehensive range of defoamers for waterborne inks and varnishes. For best possible defoaming at the grinding stage, consider TEGO® Foamex 812, 844 and 3062. Easy-to incorporate defoamer emulsions include TEGO® Foamex 1488, 8880 and 825 and the highly compatible TEGO® Foamex 8850.

First recommendations for the let-down of pigmented inks include TEGO® Foamex 844 and 852, also the 812 if sufficient shear can be applied. For press-side addition, TEGO® Foamex 8880 offers tremendous foam knock-down, making it the ideal choice.

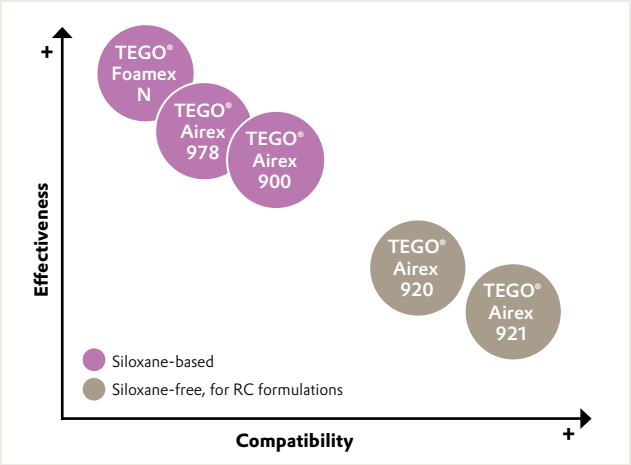
Positioning chart of TEGO® Foamex grades for waterborne inks and varnishes



TEGO® Airex grades for solventborne and radiation- curing formulations

The following products are highly effective defoamers/ deaerators for non-aqueous formulations. Each product is a solvent-free concentrate. The portfolio covers a broad performance spectrum covering all your formulation needs.

While TEGO® Foamex N and TEGO® Airex 978 are recommended mainly for pigmented inks or matte varnishes, TEGO® Airex 920 and 921 are the first choice for UV clears.



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