Additives

Fast "Knockdown" Defoamer for Waterborne Coatings and Printing Inks: TEGO® Foamex 843

Newly-developed TEGO® Foamex 843 provides optimal defoaming in waterborne flexo and gravure printing inks.

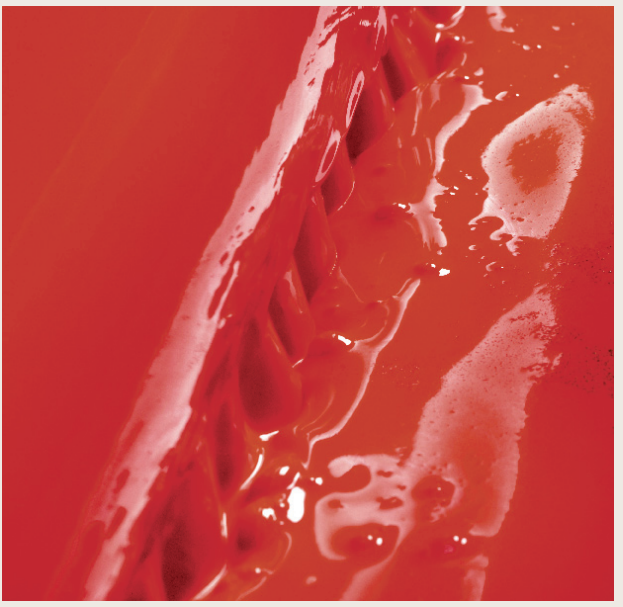
In the coatings and printing ink industries, the trend towards waterborne formulations continues unabated. Thanks to the efforts of formulators and raw material manufacturers, waterborne systems now reach a level of quality which was previously seen only in solvent-borne formulations.

Cost-effectiveness is the key to success in today's tough competitive environment. Production of coatings and printing inks must be optimal; filling should be problem-free and users should be provided with the largest possible window of application. Additionally, coatings and printing inks must be able to adapt to the increasing speed of application processes.

In waterborne formulations, this poses a particular challenge to defoamers. Therefore, TEGO® Foamex 843 offers everything required of a highly effective defoamer for waterborne flexo and gravure printing inks:

- effective prevention of foam even in chambered doctor blade systems
- rapid and complete destruction of foam
- retains its effectiveness during storage of the ink and long print runs
- does not result in defects in the printed image

This ensures long print runs, problem-free handling and minimum rejects.



TEGO® Foamex 843 is based on an innovative defoamer technology. Although not an emulsion, this solvent-free product can be easily mixed into the let-down. Highly effective, even in colloidal resin dispersions, TEGO® Foamex 843 permits high printing speeds on a wide variety of substrates. The low use levels and wide application range make this product extremely cost effective.

Such properties are also required for waterborne wood lacquers, particularly for low-viscosity dip and flow coatings, which are continuously pumped around the application unit resulting in air entrapment. Foam forms on the coating material and can build up into a "crown". Here, TEGO® Foamex 843 ensures rapid foam collapse thus eliminating foam-related disruption of the production process. Even after long throughput times in the application plant, TEGO® Foamex 843 retains its effectiveness.

Technical Contact:
susanne.struck@evonik.com
www.tego.de