

FoamStar® SI 2201

(old : Efka® 7201)



general

defoamer

FoamStar® SI 2201 prevents the entrapment of air during processing steps such as pigment dispersion, blending and pumping. It reduces the accumulation of foam in the ink reservoir during application on the printing press.

chemical nature

synergistic combination of defoaming substances including an organically modified siloxane copolymer and fumed silica

Properties

physical form

clear, slightly hazy liquid

shelf life

FoamStar® SI 2201 should be stored in a cool dry place. When kept in original unopened containers, it will keep up to 4 years from the date of manufacture.

typical properties (no supply specification)

active ingredients	~ 100 %
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Application

FoamStar® SI 2201 was specifically developed for water-based printing inks. The product is especially effective in pigment concentrates and in inks for flexographic application. FoamStar® SI 2201 is also suitable for water-based primers and overprint varnishes.

FoamStar® SI 2201 has a broad spectrum of application and gives good performance properties with a range of solution-type and emulsion-type acrylic binder resins from leading suppliers.

FoamStar® SI 2201 provides an excellent balance of properties such as

- strong and persistent defoaming power
- easily incorporated
- enhanced gloss and crater-free prints (with all tested resins)
- excellent storage stability – no tendency to separation or viscosity drift of the bulk formulated product during storage
- near universality – compatibility with many commonplace binder resins for flexo
- economy, low cost-in-use

FoamStar® SI 2201 can be used in

- water-based flexographic inks
- water-based inkjet inks
- other water-based inks

recommended concentrations

FoamStar® SI 2201 is suitable for use in the pigment dispersion step and can be added to the premix prior to dispersion. The product may also be used at the let-down or blending steps of manufacture. Although the product is very easily incorporated, particular care should be taken to ensure uniform distribution if added post-manufacture.

FoamStar® SI 2201 should be effective at use levels as low as 0.1 % and may be used up to 1.0 % by weight without significant risk of crater formation in prints. An optimal balance between economy and performance is usually achieved at use levels of 0.3–0.5 % by weight.

Safety

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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