

FoamStar® SI 2293

(old: Dehydran® 2293)



general

FoamStar® SI 2293 is a defoamer and de-aerating agent for use in aqueous architectural paints and industrial coatings based on polymer emulsions which are applied by curtain coating, spraying, dipping, rolling or brushing on substrates such as wood, wood products or metal.

Further to its long-term defoaming efficiency, FoamStar® SI 2293 has proved to be compatible with high-quality emulsion paints. Therefore paints with FoamStar® SI 2293 maintain gloss. It is also suitable as a defoamer in emulsion and suspension polymerization, particularly in the manufacture of polyvinyl chloride, vinyl acetate and acrylic emulsions. FoamStar® SI 2293 is VOC-free according to 2002/42/EU and EPA 24 (US). It has low odor, does not stratify in storage and is free of mineral oils. Additionally the product does not require labeling.

chemical nature

solution of modified polydimethyl siloxanes in a VOC-free carrier

Properties

physical form

clear to slightly hazy colorless liquid

shelf life

When stored under the usual appropriate storage conditions, the product can be stored for 2 years.

typical properties (no supply specification)

density at 20 °C (68 °F)	~ 1.0 g/cm ³
Brookfield viscosity at 23 °C (73 °F)	~ 160 mPa . s

Application

- high-quality emulsion paints based on pure acrylates and acrylic copolymers
- wood coatings based on acrylic and polyurethane emulsions

recommended concentrations

The optimum dosage depends on the individual formula and should be determined in appropriate tests. It is generally in the range of 0.5 – 1.5% calculated on the total formulation. To ensure maximum performance, FoamStar® SI 2293 should be added to the batch as the last ingredient while stirring intensively. In the manufacture of paints, part of the total defoamer quantity may be also added to the mill base or to the premix.

Safety

When handling this product, 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.

® = registered trademark, ™ = trademark of the BASF Group, unless otherwise noted

BASF SE
Formulation Additives
67056 Ludwigshafen, Germany
www.dispersions-pigments.basf.com
formulation-additives-asia@basf.com
formulation-additives-europe@basf.com
formulation-additives-nafta@basf.com
formulation-additives-south-america@basf.com