Styrofan® D 623

Polymer Dispersions for Construction

Chemical nature Aqueous anionic dispersion based on styrene and butadiene

Properties

Physical form Liquid

Technical data
(not supply specification)

Solid content	DIN EN ISO 3251	~ 51 %
pH value	DIN ISO 976	8 - 10
Viscosity, dynamic	DIN EN ISO 3219 (100 1/s)	35 - 150 mPa.s
Glass transition temperature (Tg)		~ 14°C
MFFT	DIN ISO 2115	~ 17 °C
Initial melting point[1]		≤ 20 °C

[1] According to Commission Regulation (EU) 2023/2055 of 25 September 2023 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards synthetic polymer microparticles.
The initial melting point was determined according to the position paper of the European Polymer Dispersion and Latex Association (EPDLA's position paper on polymer dispersions, redispersible polymer powders made thereof and synthetic polymer microparticles) from December 2024 and the method described therein.

Application

Areas of application

Styrofan® D 623 is used primarily to modify hydraulic binders, especially cement mixtures. It is used particularly if there is very high demand on the mechanical properties of these products (e. g. repair mortars and screeds).

Processing

Because the effectiveness of Styrofan® D 623 can be influenced by the different hydraulic binders, tests for each application are essential.

If necessary, standard commercial antifoams such as FoamStar® PB 2706 can be used to reduce the air voids content in formulations. The quantity of antifoam should be between 0.3 and 1 wt. % in relation to the dispersion, depending on the air content.

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.

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