

Styrofan[®] D 820

Polymer Dispersions for Construction

Chemical nature Aqueous, anionic dispersion based on styrene and butadiene

Properties

Technical data

(not supply specification)

Solids content	DIN EN ISO 3251	~ 50 %
pH value	DIN ISO 976	6 – 7
Viscosity	DIN EN ISO 3219	40 – 150 mPa·s
Glass transition temperature		~ 24 °C

Application

Application area

Styrofan® D 820 is used primarily to modify hydraulic binders. It provides these products with excellent processing properties, particularly high sag resistance, and adhesion even on critical substrates.

With Styrofan® D 820 it is possible to produce low-odor cementitious formulations.

Processing

In cementitious systems, application rates of 10 – 20 percent dispersion by weight – in relation to cement – are usual.

Because of the high film-forming temperature, it may be useful to add a coalescent (e. g. Loxanol® CA 5308) to the wet component in quantities of about 2 – 5 percent by weight.

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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