

Technical data sheet

ALBERDINGK® SC 4450

Characteristic:

Aqueous, fine disperse, medium viscous copolymer dispersion of styrene and acrylic acid esters without plasticizers and without Alkylphenoethoxylates (APEO).

Specification:

Solids content	%	49.0 - 51.0	According to: ISO 3251
pH- value		7.5 - 8.5	ISO 976
Viscosity	mPas	500 - 5000	ISO 2555, Brookfield RVT Spindle 3/rpm 20/factor 50

Further typical data*:

Density	g/cm ³	1.0 - 1.1	According to: ISO 2811-1
MFFT	°C	ca. 18	

Film properties*:

Water absorption	%	ca. 7	According to: after 24h
Ultimate tensile strength	N/mm ²	ca. 10	ISO 527-1
Elongation at break	%	ca. 900	ISO 527-1

Properties:

Films formed from the dispersion are odourless, tough-elastic and have a good water and alkali resistance.

Applications:

Universally applicable as a binder for low odour indoor and outdoor coatings from matt to gloss. The dispersion has a mild odour.

Packaging:

plastic drums (120 kg)
one-way container (approx. 1000 kg)
as bulk in tank cars, by agreement.

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Storage:

In originally closed containers ALBERDINGK-dispersions are stable when stored at 20°C for 6 months after delivery date. The recommended temperature-range for storage is 5 - 30°C. Freezing or storage at higher temperatures than 30°C, can affect the viscosity or the average particle size and finally lead to a sedimentation or coagulation. A contamination with bacteria, fungi or algae can damage the product irreversibly. The product is only preserved for the transport. For a longer storage time, we recommend to add additional preservative. A warranty for the sterility after storage can not be granted. ALBERDINGK BOLEY GmbH assures that the data mentioned under "specification" are stable for 6 months after delivery date, if the product is stored under the recommended conditions. A longer storage does not mean that the product is not usable anymore, but we recommend to check the specification data before use. A warranty after 6 months of storage can not be given by ALBERDINGK BOLEY GmbH. The product should be stirred well before use.

Safety:

For further information on product safety please refer to the current safety data sheet.

Notice:

* General information - the values can not be considered as part of the product specification.