

# Technical data sheet

## ALBERDINGK® AC 5503

### Characteristic:

Aqueous, epoxidgroup containing, crosslinkable copolymer.

### Specification:

Solids content	%	49.0 - 52.0	<b>According to:</b> ISO 3251 1.0 g weighed quantity at 105°C
pH- value		7.0 - 9.0	ISO 976
Viscosity	mPas	1000 - 5000	ISO 2555, Brookfield RVT Spindle 3/rpm 20/factor 50

### Further typical data\*:

MFFT	°C	ca. 0	<b>According to:</b>
Density	g/cm <sup>3</sup>	1.0 - 1.1	ISO 2811-1
Solvent-free			
Glass transition temperature	°C	ca. 0	DSC, heating rate 20 K/min

### Properties:

The films are clear, blockfree and without yellowing. Storage under cold water shows insignificant blushing with a high elastic mechanical strength.

### Applications:

Can be used pure or as a mixing component for dispersions based on acrylics and polyurethans. The dispersion can also be used for laminating transparent foils.

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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.

### Packaging:

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

### 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.