

Alcotex WD100 is an aqueous solution of a 43% hydrolysed polyvinyl alcohol specifically developed by Synthomer Ltd. Infinitely dilutable in water, and with an extremely low methanol content.

Alcotex WD100 has adhesive properties, is an excellent binder and can be blended with other Alcotex grades to tune properties in a variety of applications.

NMR measurements have shown that Alcotex WD100 has a random distribution of acetate groups.

The data below represents typical values obtained with different batches of Alcotex WD100.

Property	Typical Value	Unit	Method ¹
Appearance	Aqueous solution		Visual
Cloud Point	>50	°C	ATP18
Degree of Hydrolysis	42.0 - 45.0	mole%	ATP16
Methanol Content	< 2	% w/w	ATP59
Total Solids	24.0-26.0	%	ATP1
Viscosity @ 23°C, Brookfield RVT 3/20	1000-5000	mPa.s	ATP17

¹ Internal method based upon the specified norm

Application Advice

For detailed information, please contact the Alcotex Technical Service Team at alcotex@synthomer.com

Shipping and Storage

Alcotex WD100 is stable under normal storage conditions, but extremes of temperature should be avoided. The material exhibits a separation temperature of 40°C, above which two layers are formed.

If separation occurs the material can be reconstituted by stirring at a temperature below 40°C. Alcotex WD100 is freeze/thaw stable, however at low temperatures the viscosity of the product increases significantly.

Alcotex WD100 should be stored in sealed containers as received. In this condition, the product should remain fit for use for 24 months from the date of production. Beyond that date, the material may still be fit for use, but we would advise that it is good practice to test the material.

With normal standards of plant housekeeping there is no need to add bactericides.

Alcotex WD100 can be supplied in 220kg plastic drums, 1000kg cage type intermediate bulk containers or as full bulk deliveries.

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.