



Anglo Adhesives & Services Ltd.

INDUSTRIAL ADHESIVE MANUFACTURERS - CONTRACT FILLING AND PACKAGING

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TECHNICAL DATA SHEET AQUEBOND 1943

DESCRIPTION

This adhesive has been designed as a low viscosity, one pack, ready for use, water resistant wood adhesive it gives a fast rate of bond strength development. For bonding window frames, doors and stairs. In addition, this adhesive meets the resistance to sustained load (creep test) requirements of BS 4071 "Polyvinyl Acetate (PVA) Emulsion Adhesives for Wood"

SPECIFICATION

% Non Volatiles, w/w:	42 to 45
Viscosity, Brookfield RVT, Spindle 3, Speed 20:	800 – 1000 cps @ 23°C
Specific Gravity:	1.05 to 1.07 @ 20°C
PH:	2.5 to 3.5
Film Appearance:	Hard, translucent
Minimum Film Forming Temp:	4°C
Freeze/thaw Stability:	Unstable: Protect from freezing
pH Stability:	2 to 10
Water Resistance:	As with all PVA adhesives, prolonged water immersion is not recommended.

APPLICATION

This adhesive gives such good adhesion to wooden surfaces that sanding is not normally necessary to provide a key. The surfaces to be joined should be clean and dry. The adhesive may be applied by either brush, squeeze bottle, spatula or serrated trowel. The quantity of adhesive depends on the type of wood, the condition of the surfaces and the precision with which the article can be pressed together. In most cases the adhesive is applied to one surface only. Whilst the adhesive is still wet the joint is brought together and maintained in the closest possible contact until the completion of the setting process. For small articles clamping is not always necessary, but in the case of large pieces the pressure must be adjusted so that the thinnest adhesive line is obtained. Any excess adhesive must be removed with a damp cloth or sponge. The adhesive dries to give a smooth and uniform translucent film. If a chalky white film is formed, which lacks cohesion, either the temperature of the adhesive, the wood or the workshop is too low. The bonding of highly porous surfaces may also result in a chalky film.

SHELF LIFE

8 Months when stored in dry conditions, in unopened containers, between 5 and 25°C