



PVA Adhesive

DESCRIPTION & BENEFITS

Biokil Crown PVA is a medium viscosity, polyvinyl alcohol stabilised, externally plasticised, vinyl acetate homopolymer. It has been designed specifically for use in the building industry as a general purpose bonding agent, an additive for concrete and plasters and as a general purpose adhesive.

It has a wide variety of uses and adheres to most common building surfaces. Ideal for priming surfaces prior to plastering or painting. As an adhesive it is effective on wood, cork, textiles and most common building material.

Biokil Crown PVA Adhesive meets the bond strength requirements of BS5270 - "Polyvinyl acetate (PVAC) emulsion bonding agents for internal use with gypsum building plasters".

Features

General Purpose Adhesive
Dries Clear
Conforms to British Standard Concentrate
Adheres to most construction materials.
Does not alter appearance of substrate.
Consistently of highest quality.
Can be diluted for bonding purposes.
Cost-effective

Uses

Adhesive – forms a strong bond between most materials except plastics and rubber.

For Bonding – diluted up to 4:1 with water to bond plaster, Cementitious mixes or prior to tiling.

Cementitious mixes – makes mix more flexible and abrasion resistant.

PVA should not be used:-
In external situations.
In situations where joints could be under stress without additional mechanical support.

Application

Adhesive – apply adhesive to one or both sides of the joint and clamp. Do not use excess pressure to prevent adhesive being squeezed out. Leave overnight for full cure.

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For Bonding – dilute PVA 4:1 with water and apply to surface to be bonded. On very porous surfaces two coats may be necessary.

Cementitious Mixes – Adding PVA to mixes will increase adhesion and improve flexibility and wearing capability. This is useful in repairing concrete etc. internally.

Dustproofing – The floor to be dustproofed should be brushed to remove loose material. PVA diluted 4:1 should be applied by brush and allowed to dry. This is suitable for domestic situations.

Additional Information

A PVA: water 1:4 mix can be used to seal smoke or damaged surfaces. This is applied to the affected area and left dry. Redecoration can then proceed.

PVA as supplied is in water and will not burn. In a joint, however, it will burn but it is no more inflammable than the wood it is bonding.

LIMITATIONS

Biokil Crown PVA Adhesive will not bond plastics on rubber. As a wood glue it is not suitable for load bearing situations. In this case Biokil Crown Woodworkers Fast-set Wood Adhesive should be used.

Biokil Crown PVA Adhesive is not a waterproof adhesive. Where this is required for priming, sealing or as an admixture Biokil Crown SBR bond should be used.

STORAGE

To ensure safe storage of Biokil Crown PVA Adhesive, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The emulsion must be stored at a temperature above freezing. A temperature of 5-25oC for not more than six months is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods. If these conditions cannot be met, please refer to our Technical Service Department who will advise on storage stability.

TECHNICAL DATA



HEALTH AND SAFETY

Please refer to the Material Safety Data Sheet for safety and environmental information. Biokil Crown PVA Adhesive is not classified as dangerous according to EU Directive 88/379/EC and does not require any special labelling.

SPECIFICATION

Total Solids (%)	40.0 ±1.0
Viscosity @ 23oC Brookfield RVT 5/20	
Poise	120 - 200
mPa.s	12000 - 20000
pH	4.5 - 5.5

OTHER TYPICAL PROPERTIES

Minimum Film Forming Temperature (oC)	Approx 2
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High Temperature Stability (1 week @ 50oC)	Stable
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Specific Gravity	1.07
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The above data represents typical values obtained with different batches of Biokil Crown PVA Adhesive