

Ver 03 - PALPVA 16.08.21

# PVA BOND

## MULTI-PURPOSE ADHESIVE & SEALER

- SEAL & PRIME POROUS WORN SURFACES
- EASY TO APPLY WOOD ADHESIVE
- BONDS TO MOST NON-POROUS SURFACES
- REDUCES SURFACE WEAR & DUSTING
- ADHESION PROMOTING ADMIXTURE IN PLASTER & RENDERS

### TECHNICAL SUMMARY

APPEARANCE	White > Dries clear
SOLIDS CONTENT	> 40% w/w
OPEN JOINT TIME	5 minutes
SPECIFICATION	EN 204 D2



### PALACE PVA BOND

A safe to use, multi-purpose sealer and bonding agent. This water based adhesive can be applied to a wide range of building materials and applications not intended for contact with water.

ADHESIVE &  
SEALER

BONDS TO ALL TYPES OF SEMI  
POROUS SURFACES

# PVA BOND

## Multi-Purpose Adhesive & Sealer



### DESCRIPTION

**PALACE PVA BOND** is a poly-vinyl acetate homo-polymer, formulated as a high viscosity, high-solids emulsion. It is a safe to use, multi-purpose, water based adhesive, sealer & bonding agent, which can be applied to a wide range of building materials and applications not intended for contact with water. **PALACE PVA BOND** conforms to BS 5270 when used as a primer / sealer on porous surfaces and also complies with the requirements of BS EN 204 / D2 for use as a wood adhesive.

**PALACE PVA BOND** as an **ADHESIVE** is ideal for bonding most common building materials such as wood, plaster, cement render, brick and concrete where at least one of the contact surfaces is porous and is not subject to frequent exposure to water.

**PALACE PVA BOND** as a **BONDING AGENT** can readily be incorporated into mixes of sand cement screeds, plasters and renders, giving a water reducing and plasticising effect, as well as improving wet-tack and adhesion of the render to the existing base masonry.

**PALACE PVA BOND** as a **PRIMER / SEALER** is ideal for porous surfaces such as gypsum plaster, old / worn concrete; sand cement screeds and render by reducing porosity, surface dusting and suction so that subsequently applied adhesives, renders or screeds can dry and cure without moisture loss into the substrate.

### PVA BOND - ADHESIVE

Apply as a thin even coat of neat **PALACE PVA BOND** to just one face of the joint, then firmly press and hold together. Large surface areas may require clamping for up to 24 hours to ensure a consistent bond is achieved, particularly where one of the joint faces is impermeable. **PALACE PVA BOND** should not be used in applications where the ambient temperature is below 5°C and it should be noted that at temperatures below 15°C the bond will dry at a slower rate. When applying onto very porous surfaces, prime with 1 part PVA diluted with 3 parts water and allow to dry before uniting the joints with a coat of neat **PALACE PVA BOND**. Excess adhesive squeezing out from the joint edges should be wiped away with a damp cloth and all tools and non-contact surfaces can be cleaned with warm soapy water. **PALACE PVA BOND** dries to a clear, slightly glossy film, however it is unsuitable for joints where regular contact with moisture is likely and for such applications **PALABOND WATERPROOF WOODWORKING ADHESIVE** should be used.

### PVA BOND - BONDING AGENT

**PALACE PVA BOND** can be used as a bonding agent when over-laying existing masonry with a fresh coat of render, plaster, concrete or screed. Thorough preparation of the existing surface, is essential to ensure the success of the bond and all loose dust, flaking material, grease and any deteriorating surface coatings should be removed before applying **PALACE PVA BOND** as a bonding agent. Highly porous surfaces should first be sealed with a coat of **PALACE PVA BOND** diluted as 1 part to 4 parts with water. When this is dry apply the PVA bonding coat as a 1:1 dilution with water and allow it to dry to be "tacky to touch" before applying the cement render, plaster or screed. To improve the durability and bonding properties of domestic, thin layer renders or floors screeds (5 to 20mm), add PVA to the gauging liquid at a rate of 5 litres per 50 kg of cement. Concrete and heavier duty floor screeds (> 25mm thick) will require the addition of **PALACE PVA BOND** at 10 to 15 litres per 50kg of cement per mix. In both cases the **PALACE PVA BOND** will have a water reducing effect therefore the addition of water to the mix should be kept to the minimum required to achieve application consistency. Use a wet-faced trowel to finish off the render and give a smooth even surface.

### PVA BOND - PRIMER / SEALER

On porous, worn or dusty concrete floors, **PALACE PVA BOND** diluted as 1 part to 3 parts with water and brushed on as a generous single coat, can seal the surface, reduce suction and inhibit further dusting. One coat is normally sufficient for priming surfaces ready to receive an application of SELF-LEVELLING COMPOUND or FLOOR TILE ADHESIVE, however very porous and friable surfaces may require two coats to be effective, particularly where no further coating is to be laid. On gypsum plaster or porous cement rendered walls, **PALACE PVA BOND** diluted as 1 part to 4 parts with water, is sufficient preparation to reduce suction, bind the surface and give a consistent substrate, primed for the application of a ready mixed tile adhesive. Plaster walls which have been over-finished to a polished appearance should be slightly roughened with a stiff brush and wiped clear of loose fines before priming with **PALACE PVA BOND** diluted as 1 to 4 with water.

### STORAGE AND PACKAGING

**PALACE PVA BOND** is supplied in 125ml; 250ml; 500ml; 1 litre; 2.5 litre; 5 litre & 25 litre bottles and has a storage life of not less than 12 months if stored in dry, un-opened conditions.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

**PALACE CHEMICALS LTD**

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## Multi-Purpose Adhesive & Sealer



### COVERAGE

The consumption of **PALACE PVA BOND** for any particular application depends heavily upon the texture and porosity of the surface it is applied to and the figures shown aside are intended as a rough guide only:

APPLICATION	COVERAGE
ADHESIVE	8 - 10 square metres per litre
BONDING AGENT	12 - 24 square metres per litre
PRIMER / SEALER	20 - 30 square metres per litre

### HEALTH AND SAFETY

Always ensure that appropriate PPE is worn when mixing & applying this product to ensure protection from airborne dust and skin contact with the mixed liquid product. Wash hands after use and launder stained clothing. Do not consume food when working with this material and keep children & animals away from any possible risk of contact. A complete PALACE material safety data sheet is available on request or online at [www.palacechemicals.co.uk](http://www.palacechemicals.co.uk)

TECHNICAL SUMMARY	
APPEARANCE	White > Dries clear
SOLIDS CONTENT	> 40% w/w
OPEN JOINT TIME	5 minutes
SPECIFICATION	EN 204 D2

### QUALITY AND ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint by developing products such as this which have a lower environmental impact.

### TECHNICAL ADVISORY SERVICE

Should more specific technical information be required, contact the Palace Technical helpline on: **0151 486 6101**.

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

### DISCLAIMER

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate, however it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.



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