



PALABOND

WATERPROOF WOODWORKING ADHESIVE

**ADHESIVE FOR TIMBER &
POROUS SURFACES**

**CONFORMS TO
BS EN 204 - D3**

**FORMS A WATER-RESISTANT
DURABLE BOND**

DESCRIPTION:

PALABOND WOODWORKING ADHESIVE is a modified poly-vinyl acetate homo-polymer, formulated as a high viscosity, high-solids water-resistant adhesive. It is a safe to use, multi-purpose and can be applied to a wide range of building materials in applications where some intermittent contact with moisture is likely. PALABOND conforms to BS EN 204 - D3, the European standard for water-resistant woodworking adhesives and finds applications in a wide range of situations including joinery, window frames, furniture, wood-laminate flooring and many typical applications where bonding wood joints for all varieties of timber, both soft and hardwood is required. PALABOND is an ideal compound for forming strong bonds in joints where at least one of the components is like timber and has a semi porous texture. In such circumstances, PALABOND has shown effective adhesion strength when bonding wood to concrete, ceramics, brick, slate, stone, hardboard and many types of synthetic coated veneers.

PREPARATION:

Surfaces to be bonded must be clean, free from loose un-sound coatings, dust, chippings and any traces of oil and grease likely to impede the absorption of the adhesive into the substrate. Timbers known to be oily and resinous should be wiped clean with a volatile solvent such as white spirit and then thoroughly dry the cleaned surface. Highly porous surfaces such as lightweight blocks may benefit from a priming coat applied by diluting PALABOND as 1 part to 4 parts water and then allowing this to dry before using the adhesive in it's neat state to effect the bond.

APPLICATION:

Cut the nozzle tip from the "squeezezy" bottle then apply PALABOND as a thin consistent extrusion, spreading out as an even coat 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. PALABOND 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. Excess adhesive squeezing out from the joint edges should be wiped away promptly with a damp cloth and all tools and non-contact surfaces can be cleaned with warm soapy water whilst the adhesive remains wet. PALABOND dries to a clear, slightly glossy film and setting time is generally influenced by environmental conditions such as temperature and humidity and the bond can be expected to have cured within 12 to 24 hours under normal ambient conditions. Elevated temperatures and fixed mechanical pressing will significantly reduce the curing time of PALABOND joints. When dry any surfaces showing signs of excess adhesive should be lightly sanded before applying any stain or finish coat to ensure the final appearance and sheen remains consistent.

COVERAGE:

The consumption of PALABOND for any particular application depends heavily upon the texture and porosity of the surface it is applied to however experience has shown that depending upon the materials being bonded, highly porous surfaces will take about 1 litre of adhesive for 8 square metres of joint area, whereas non-porous substrates may yield up to 12 square metres from the same volume.

TECHNICAL PROPERTIES:

Appearance	Solids content	Open joint time
White but dries clear	> 50% w/w	5 minutes

STORAGE & PACKAGING:

PALABOND is supplied in 125ml; 250ml; 500ml; 1 litre and 5 litre bottles and has a storage life of not less than 12 months if stored in dry, un-opened conditions. Consult the PALABOND material safety data sheet for advice on handling and safety procedures. Should further more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.

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.

PALACE CHEMICALS Ltd;
Speke Hall Industrial Estate;
Speke; Liverpool; L24 4AB
Tel: 0151 486 6101 – Fax: 0151 448 1982
e-mail technical@palacechemicals.co.uk

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Speke Hall Industrial Estate, Speke; Liverpool L24 4AB

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SUBSTANCE IDENTIFICATION:

PALABOND

ADHESIVE; PRIMER & BONDING AGENT

COMPOSITION;

An aqueous dispersion of Vinyl Acetate homo-polymer emulsion stabilised with surfactants and metallic oxides

HAZARDS CLASSIFICATION:

NON-HAZARDOUS
Not subject to statutory hazard labelling in accordance with the CHIP regulations.

FIRST AID MEASURES:

INHALATION:

Avoid working in a spray mist (dilution only). If inhaled, clear out mouth with clean water and seek medical attention. If irritation or breathing difficulties persist, seek medical attention.

SKIN CONTACT:

Wash off skin with warm soapy water. The product will not cause irritation, but prolonged and unattended contact with the adhesive should be avoided

INGESTION:

Clean out mouth with copious volumes of water. Do not induce vomiting. Seek prompt medical attention and show this data sheet.

EYE CONTACT:

Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

FIRE FIGHTING MEASURES:

NOT APPLICABLE - This product is a NON-FLAMMABLE water based dispersion

ACCIDENTAL RELEASE MEASURES:

Absorb spillages on sand, sawdust or absorbent granules and confine residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for low-hazard acrylic emulsions. Provide plenty of ventilation if spillage occurs within a confined room or area.

HANDLING & STORAGE:

Store in sealed, clearly marked containers either as a concentrate or in its diluted form. Keep out of reach of children in a cool well-ventilated environment – Protect from frost, heat and direct sunlight. Keep in sealed plastic containers to prolong product life.

EXPOSURE CONTROL / PERSONAL PROTECTIVE EQUIPMENT:

Wear overalls and rubber/PVC gloves under normal conditions of use. When mixing with cement based systems PVC overalls should be worn in association with side sealed goggles (BS 2092). Always read and follow the precautions shown on the label. All treated areas should be kept free from unprotected persons and animals whilst application is in progress and until surfaces are dry.

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SAFETY DATA SHEET No. 03P

PRODUCT: PALABOND

PHYSICO-CHEMICAL PROPERTIES:

Appearance – Milky white liquid.
Miscibility – Water only
Ph – 4.0 – 5.0
Density – 1.05
Odour – Distinctive acetic acid (vinegar) type smell.
Viscosity – 2500 – 3000 cps.
Exposed product will readily dry to form a tacky film, which becomes smooth & clear.

STABILITY & REACTIVITY:

Storage in frost affected conditions or at elevated temperatures will affect the performance stability of the product, and lead to separation of the emulsion. However there are no known adverse/unsafe reactions should this product be inadvertently contaminated, although it's the product will be adversely affected by Strong acids.

TOXICOLOGICAL INFORMATION:

LD50 (oral rat) – 2000mg/kg for aqueous styrene based emulsions on rats.
May cause irritation of the upper digestive tract and mouth should ingestion occur.

ECOLOGICAL INFORMATION:

The product is only sparingly biodegradable and is toxic to aquatic organisms in high concentrations.
Ecotoxicity – Acute fish toxicity – LC50-48hrs fish > 3000mg/Kg.
Slowly Biodegradable in both fresh and salt water.

DISPOSAL CONSIDERATIONS:

Dispose according to Local Authority regulations for aqueous, low hazard emulsion based building chemicals.

TRANSPORT INFORMATION:

Not subject to CPL / ADR restrictions
When transporting overseas, classify as IMO Class 3.3 – Marine pollutant.

REGULATORY INFORMATION:

Irritating if swallowed. Wear suitable protective clothing. Do not dispose into ponds or watercourses
The use of this product at work will be subject to an assessment in accordance with the 1994 COSHH regulations.

FURTHER INFORMATION:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work.