



PALABOND WATERPROOF WOOD-WORKING ADHESIVE



ISSUE: 2-2 / 0809

ADHESIVE FOR TIMBER & POROUS SURFACES

CONFORMS TO BS EN 204 - D3

FORMS A WATER-RESISTANT DURABLE BOND

DESCRIPTION:

PALABOND WATERPROOF WOODWORKING ADHESIVE is a modified poly-vinyl acetate homo-polymer, formulated as a high viscosity, high-solids water-resistant and creep-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 WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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 "squeezy" bottle then apply PALABOND WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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	Specification:
White but dries clear	> 50% w/w	5 minutes	EN 204 / D3/3 & D3/4

STORAGE & PACKAGING:

PALABOND WATERPROOF WOODWORKING ADHESIVE 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 WATERPROOF WOODWORKING ADHESIVE 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: sales@palacechemicals.co.uk

