

# ADOBOND - PVA

## Multipurpose Adhesive and Cement Admixture

### Description

**ADOBOND-PVA** is a concentrated viscous emulsion based on polyvinyl acetate which dries completely colourless. It will provide an excellent bond for most common building materials provided at least one of the materials bonded is porous. It has numerous applications within the building industry amongst which are

### Builders

For repair of holes and cracks in all cementitious mixes including normal and granolithic concrete and renders.

### Carpenters & Joiners

To bond all types of wood, veneer, blockboard and hardboard either to themselves or to other materials.

### Plasterers

For adhesion, or to form mechanical key on smooth surfaces.

### Stonemasons

To repair natural or reconstructed stone.

### Tilers & Floorlayers

To fix woodblock, linoleum, cork, ceramic, polystyrene and most other types of tiles.

### Uses

#### Surface Preparation

Surfaces must be sound, clean, free from dust, loose particles, old mortars, laitence, oils and greases. In general the use of **ADOBOND-PVA** over lime wash, emulsion, paint and distemper is not recommended as the adhesion of such materials to the substrate is generally poor. Timber and composition board should be dry and free from waxes and polish. On vertical surfaces where paints are firmly adhering to the substrate and difficult to remove it is advisable to peck hammer the surface to enable **ADOBOND-PVA** to bond partially to the structure and not to rely wholly on the adhesion of the paint.

#### ADOBOND-PVA Sealer

Prior to subsequent treatment all porous surfaces should be sealed with **ADOBOND-PVA** Sealer consisting of a solution of 1 part **ADOBOND-PVA** to 6 parts clean water. In instances involving the use of exceptionally porous materials, such as breeze, foam slag etc. it is advisable to reduce suction before sealing by wetting down.

#### ADOBOND-PVA Primer

Whenever priming is required it should be done with **ADOBOND-PVA** Primer consisting of a solution of 1 part **ADOBOND-PVA** to 1 part clean water. Primer coat should never be allowed to dry before subsequent treatment is applied. If it does, re-prime and proceed when Primer becomes tacky.

#### ADOBOND-PVA Gauging Liquid

All cementitious mixes should be gauged with **ADOBOND-PVA** Gauging Liquid consisting of 1 part **ADOBOND-PVA** to 3 parts clean water.

#### Curing Cementitious Mixes

**ADOBOND-PVA** sets by evaporation therefore mortars gauged with **ADOBOND-PVA** Gauging Liquid should be protected from moisture during the setting period. If however the surface is exposed to severe drying conditions such as wind and heat, the surface should be protected in some manner or lightly dampened down.

#### Drying Time

The drying time of **ADOBOND-PVA** is dependent upon ambient temperature and relative humidity. As a guide, neat **ADOBOND-PVA** in film thickness normally takes 20 to 30 minutes to dry.



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### Caution

**ADOBOND-PVA should be protected from frost during storage, should not be used in temperatures below 5°C or on surfaces subject to rising or continual dampness.**

### Applications

#### General Adhesive

After preparing surfaces and sealing if necessary with **ADOBOND-PVA** Sealer, apply neat **ADOBOND-PVA** in film thickness to both surfaces. If surfaces are uneven, a paste should be formed by mixing into a solution of 1 part **ADOBOND-PVA** to 1 part clean water a suitable fine filler such as sawdust or plaster. When treated surfaces have become tacky they should be positioned as required and allowed to set for 24 hours. Excessively tight clamping should be avoided as it squeezes **ADOBOND-PVA** out of joint.

#### Bonding of Grano or Concrete Toppings to Sub-Concrete

Prepare surface, seal if necessary with **ADOBOND-PVA** Sealer and apply **ADOBOND-PVA** Primer. Prepare Key Coat of 1 part Ordinary Portland Cement to 1 part clean washed sharp sand gauged stiff with **ADOBOND-PVA** Gauging Liquid. Apply to tacky Primer approx. 6 mm thick, stipple surface with stiff brush to form a mechanical key. Allow to harden thoroughly then test adhesion before laying topping.

#### Bonding of Plaster Coats

For normal and lightweight GYPSUM and ANHYDROUS plasters, prepare surface, seal if necessary with **ADOBOND-PVA** Sealer; apply **ADOBOND-PVA** Primer and then plaster in normal manner onto tacky Primer. For plastering heavier renderings or onto impervious surfaces it is advisable to first lightly peck hammer surface, apply **ADOBOND-PVA** Primer and key coat - as above - and then, when key coat has hardened, test adhesion and then plaster in normal manner.

#### Repairing Stonework, Concrete and Grano

Prepare surface, seal if necessary with **ADOBOND-PVA** Sealer and apply **ADOBOND-PVA** Primer, using applicable mix. Apply to tacky Primer; compact firmly into position leaving slightly proud. Level off with minimum trowelling just before final set.

#### Mix for Stonework

1 part Ordinary Portland Cement to 6 parts original aggregate gauged stiff with **ADOBOND-PVA** Gauging Liquid.

#### Mix for Concrete and Grano Floors

1 part Ordinary Portland Cement to 2½ parts clean washed sharp sand gauged stiff with **ADOBOND-PVA** Gauging Liquid.

#### Bonding of Tiles

For all porous tiles, plasterboard and acoustic board follow instructions as for use of **ADOBOND-PVA** as a general adhesive as described above, using **ADOBOND-PVA** either neat or as a paste. For all floor tiles which are normally bedded in sand and cement, seal base of tile with **ADOBOND-PVA** Sealer apply **ADOBOND-PVA** Primer to floor and to base of tile, apply sand cement gauged with **ADOBOND-PVA** Gauging Liquid to floor then bed tiles.

#### Dustproofing Floors

Dusty surfaces of weak and friable screeds and concrete floorings in internal situations may be improved by treating with 2 to 3 coats of **ADOBOND-PVA** Sealer. This method can also be used for sealing beneath raised access floors in dust sensitive locations.

#### Health and Safety

Refer to separate **ADOBOND-PVA** Health and Safety leaflet.