



Chemical Technology Pty Ltd

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## **BONDTECH PVA 48 MORTAR ADDITIVE AND BONDING AGENT**

### **TECHNICAL DATA SHEET**

#### **DESCRIPTION & USES:**

Bondtech PVA 48 is a waterbased adhesive designed as an admixture for cement toppings, concrete and plaster where improved adhesion and thin film cure can be expected. Bondtech PVA 48 can be used as a bonding agent for toppings, rendering, patching and tiling. It is also suitable for use as an adhesive for carpentry and craft work.

#### **METHOD OF APPLICATION:**

Ensure adhesive is homogenous before use. Shake well before use.

Application from plastic, stainless steel, or chrome-plated containers is recommended.

##### ***Bondtech PVA 48 when used as an admixture:***

For cement toppings, concrete and plaster best results are obtained by diluting 2 litres of Bondtech PVA 48 with 20 litres of water (1 part/10 parts water). This is normally sufficient for mixing 40 kg bag of cement.

#### **FOR TOPPINGS, AND PATCHING:**

- Dilute 1part Bondtech PVA 48 / 4 parts water.
- Apply 1 coat and allow to dry.
- Apply bonding coat of Bondtech PVA 48 (4 parts PVA 48 / 1 part water).
- While bonding coat is still tacky carry out Topping or Patching.
- Topping mix should be mixed with 1 part PVA 48 / 10 parts water.



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## METHOD OF APPLICATION:

### FOR PLASTER RENDER:

- Painted surfaces should be wire brushed.
- Dilute 1part Bondtech PVA 48 / 4 parts water.
- Apply 1 coat and allow to dry for 24 hours.
- Apply bonding coat of Bondtech PVA 48 (4 parts PVA 48 / 1 part water).
- While bonding coat is still wet plaster with hard wall plaster.
- Hard wall plaster should be mixed with 1 part PVA 48 / 4 parts water.

### FOR TILING:

- Dilute 1part Bondtech PVA 48 / 4 parts water.
- Apply 1 coat to seal the surface and allow to dry.
- Apply bonding coat of Bondtech PVA 48 (1 part PVA 48 / 1 part water).
- While bonding coat is still tacky apply bedding mix.
- Bedding mix should be mixed with 1 part PVA 48 / 4 parts water.
- If tiles have a porous back, coat with diluted 1 / 4 mix and bed while tile and mix are still wet.

### FOR CARPENTRY:

- Use Bondtech PVA 48 undiluted for all carpentry and craft work applications.

## PROPERTIES:

Appearance:	Opaque milky white liquid.
Viscosity:	Approx. 3000cps
pH	4.5
Solids	Approx. 48%
Specific Gravity	Approx 1.1

**Note: Additional information on physical properties, health hazards, storage, handling and transport is available in the Material Safety Data Sheet (MSDS).**