

# PVA BOND



PVA Bond can be used to prime porous and difficult substrates prior to rendering, plastering, and screeding. PVA Bond will bond most building materials provided one surface is porous. PVA Bond seals porous surfaces and helps prevent dusting on concrete. PVA Bond can be used with cementitious mixes to make patch repairs.



**IMPROVES STRENGTH**  
**IMPROVES WORKABILITY**  
**UNIVERSAL PRIMER AND BONDING AGENT**  
**SEALS CONCRETE, BRICK AND TIMBER**

**TECHNICAL INFORMATION:**

PRODUCT INFORMATION			
<b>FORM:</b>	Viscous Liquid		
<b>COLOUR:</b>	White (dries clear)		
<b>DENSITY:</b>	1 – 1.1 kg/L		
<b>HAZARD INFORMATION:</b>	Not Classified as Hazardous – Always follow good hygiene practice Consult Safety Datasheet before use		
<b>CLEANING:</b>	Clean tools, equipment, etc. using cold water.		
<b>PACKAGING:</b>	0.5L, 1L, 2.5L, 5L and 25L packs		
<b>STORAGE CONDITIONS:</b>	Store in sealed containers in dry conditions, protected from extremes of temperature		
<b>SHELF LIFE:</b>	12 months in unopened manufacturer's packaging		
APPLICATION INFORMATION			
<b>DILUTION RATE:</b>	PVA BOND	WATER	
	Neat	-	Woodworking/Bonding non-porous materials to porous
	5	1	Priming End Grain
	1	1	General Adhesive / Stipple coat / Gauging liquid
	1	3	General use bonding agent
	1	4	Priming gloss paint to take wallpaper
1	5	Priming porous surfaces / Dustproofing	
<b>APPLICATION TEMPERATURE:</b>	+5°C to +30°C		
<b>SKINNING TIME:</b>	10 minutes @ 20°C depending on site conditions and dilution		
<b>SETTING TIME:</b>	Allow 24hours for full strength. Generally sufficiently set for handling after 30 minutes		
<b>COVERAGE:</b>	Neat:	6 – 10 m <sup>2</sup> / L	
	Diluted 1:3:	25 – 30 m <sup>2</sup> / L (of neat PVA Bond)	
	Diluted 1:5:	40 – 50 m <sup>2</sup> / L (of neat PVA Bond)	

## DIRECTIONS FOR USE:

### PREPARATION

All surfaces must be sound, clean, and free from oil, grease, paint, dust and all other contamination. When bonding, at least one surface must be porous. Substrates must be strong enough to support the weight of the material to be applied or bonded. On particularly porous surfaces, apply an initial coat of PVA Bond diluted 1:5 with clean water and allow to dry for 24 hours.

### APPLICATION

When diluting PVA Bond initially add small amounts of water to the PVA with mixing. Continue adding progressively more water to the PVA Bond until the desired dilution is reached. Adding PVA Bond to water should only be carried out with significant mechanical mixing.

1. **PRIMER** – In general use, PVA Bond should be diluted 1:3 with clean water. Further surface treatments, e.g. renders, concrete, tile adhesive, should be applied while the top coat of PVA Bond is still tacky (i.e. do not allow to dry).
2. **BONDING AGENT FOR RENDERS OR GYPSUM PLASTER** – Prime the surface as above, then plaster or render as normal while PVA Bond is still tacky.
3. **STIPPLE COAT** – When thicker coats are to be applied (>9mm), it is advisable to create a mechanical key by applying a stipple coat. Apply mortar bond coat to the base, this consists of 2:1 sharp sand to cement gauged with PVA Bond diluted 1:1 with clean water, stippled onto the surface to a thickness of approximately 6 mm. Allow to harden for 24 hours before applying render or plaster.
4. **CONCRETE BONDING** – Prime surface as detailed above. To ensure maximum adhesion between new and existing concrete, dilute PVA Bond 1:1 with water and use as gauging liquid. Gauge as dry as possible. Again, place new concrete while the top primer coat of PVA Bond is still tacky.
5. **ADHESIVE** – PVA Bond can be used as an adhesive for wood, veneer, wood blocks, etc. as follows: Prime porous surfaces as above, then apply a thin coat of PVA Bond diluted 1:1 with clean water to both surfaces to be joined (if either surface is non-porous, apply PVA Bond neat). Allow to become tacky, and bring the coated surfaces together under moderate pressure, clamping may be required. For woodworking, use PVA Bond neat for bonding and diluted 5:1 with clean water to prime the end grain.
6. **PRIMING GLOSS PAINT FOR WALLPAPER** – Dilute PVA Bond 1:4 with clean water. Apply to paint and allow to dry before wallpapering.
7. **DUSTPROOFING** – Dilute PVA Bond 1:5 with clean water and apply one or two coats. Allow surface to fully dry before allowing traffic.

### RESTRICTIONS

PVA Bond is not suitable for use where permanent contact with water is anticipated. Care should be taken when applying PVA Bond neat as this may lead to skinning of the product and eventual bond failure.