

## **EVERBUILD SUPER STRENGTH PVA BOND**

### **DESCRIPTION**

EVERBUILD SUPER STRENGTH PVA BOND is a medium viscosity, polyvinyl alcohol stabilized, externally plasticised, vinyl acetate homopolymer. Contains no harmful phthalates.

It has been designed specifically for use as a general purpose hobby and craft adhesive.

SUPER STRENGTH PVA BOND meets the bond strength requirements of BS5270, "Polyvinyl acetate (PVAC) emulsion bonding agents for internal use with gypsum building plasters".

### **BENEFITS**

\* Gives good adhesion to a wide range of substrates including dense concrete, fabrics, paper, wood steel, tiles etc.

### **AREAS FOR USE**

- As a general purpose adhesive for wood, cork, paper, textiles etc.
- As an admixture for small scale patching of mortar/screeds/renders.
- As a bonding agent for screeds/renders to difficult substrates.
- As a primer/sealer in tiling applications.
- As an internal filler when mixed with wood shavings, plaster etc.
- As a fabric stiffener.

### **LIMITATIONS**

- Not suitable for external applications. Use EVERBUILD SBR BOND
- As a wood adhesive, do not use as an externally or for load bearing applications.. Use EVERBUILD ALL PURPOSE WATERPROOF WOOD ADHESIVE

### **SURFACE PREPARATION**

All surfaces must be clean, dry and free from grease.

<b>APPLICATIONS</b>
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### **PRIMING AND SEALING**

Where the emulsion is to be used on porous substrates (old concrete, plaster, plasterboard etc.), it should be diluted 5 parts water : 1 part emulsion to seal the surface in preparation for further coating.

### **BONDING**

**SUPER STRENGTH PVA BOND** can be used to bond plaster and cement renders/ repair compounds.

To bond plaster, the emulsion should be diluted 3 parts emulsion : 1 part water and brushed onto the surface to be plastered. Fresh plaster should be applied before the emulsion dries.

The bond strength of the plaster to the substrate meets the requirements outlined in BS5270 (Plaster bonded to glass).

To bond cementitious renders or repair compounds, two methods of use can be considered.

- i) **Small areas**:- mix **SUPER STRENGTH PVA BOND** with an equal amount of water and add this to the mortar/concrete mix (the emulsion exhibits excellent compatibility with cement).

When added to a concrete/mortar mix, **SUPER STRENGTH PVA BOND** will improve adhesion and also tensile/flexural strength of the cured concrete in a similar way to conventional PVA bonding agents.

- ii) **Larger areas**:- dilute the emulsion, 3 parts emulsion : 1 part water and brush onto the surface to be coated/ repaired. Apply a normal concrete mix before the emulsion dries.

### **WOODWORKING**

**SUPER STRENGTH PVA BOND** will bond wood in similar fashion to conventional bonding agents.

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The emulsion should be used neat in woodworking applications.  
In laboratory test, wood failure was observed in joints constructed  
with SUPER STRENGTH PVA BOND.

In common with conventional PVA bonding agents, SUPER STRENGTH PVA  
BOND should not be used for load bearing applications. Alternative  
emulsions that conform to BS4071 "Specification for PVA  
Wood Adhesives" should be used for these applications., eg  
EVERBUILD ALL PURPOSE WOOD ADHESIVE.

### S T O R A G E   S T A B I L I T Y

**SUPER STRENGTH PVA BOND** exhibits excellent stability at high storage  
temperatures. After 1 weeks storage at 50°C no significant  
changes in viscosity were observed.

### G E N E R A L   P U R P O S E   A D H E S I V E S

**SUPER STRENGTH PVA BOND** can be used to stick paper, cardboard and other  
similar porous substrates.

<b>SPECIFIC DATA</b>
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Total Solids (%)	44.0 +/- 5%
Viscosity @ 23°C Brookfield RVT 5/20 Poise mPa.s	120 - 200 12000 - 20000
pH	4.5 - 5.5
Minimum Film Forming Temperature (°C)	Approx 2
High Temperature Stability (1 week @ 50°C)	Stable
Specific Gravity	1.07

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## **HEALTH AND SAFETY**

SUPER STRENGTH PVA BOND is water based and is non-toxic under normal conditions. See separate MSDS for this product.

## **STORAGE**

To ensure safe storage of SUPER STRENGTH PVA BOND, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The emulsion must be stored at a temperature above freezing. A temperature of 5-25°C is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods.

If these conditions cannot be met, please refer to our Technical Service Department who will advise on storage stability.

## **SHELF LIFE**

Minimum of 12 months in original unopened containers.