

Date: 03 June 2010

Information Sheet No.: TDS00457

## SEALOCRETE SEALOBOND PVA

### A BUILDING ADHESIVE, PRIMER, ADMIXTURE & SEALER

Sealocrete Sealobond PVA is ready to use and is suitable for a wide range of building jobs. It is not only an excellent adhesive, but also a highly effective primer, admixture, bonding agent and dustproof. Sealocrete Sealobond PVA is suitable where bond strength, permanence and grab are essential. It is economical, and suitable for interior use and dry service conditions. For damp or external situations Sealocrete Sealotak SBR is recommended. Before using this product refer to the relevant Health & Safety Data Sheet.

#### Features

- Improves adhesion and bond strength.
- Provides a non-mechanical key.
- Reduces risk of lifting or cracking.

#### Uses

- Bonds most building materials, provided one of the surfaces has a degree of porosity e.g. timber, plywood, blockboard, chipboard, fibreboard, expanded polystyrene, polyurethane foam, insulating board, brick, concrete, stone, slate, felt, fabric etc.
- As a primer to improve adhesion to porous or difficult surfaces prior to rendering, plastering, screeding etc.
- As an admixture to improve workability and adhesion of cement/sand mortars, renders, gypsum plasters, screeds etc.
- As a sealer to reduce dusting of concrete and plaster surfaces.

#### Product Characteristics

<b>Colour</b>	White
<b>Form</b>	Liquid
<b>Odour</b>	Sweet
<b>Specific Gravity</b>	1.1 approx.
<b>Composition</b>	Polyvinyl Acetate Emulsion.
<b>Product Code</b>	<b>182745</b> 1 Litre bottles x 6 <b>182769</b> 2.5 Litre bottles x 6 <b>182783</b> 5 Litre bottles x 4
<b>Shelf life/storage</b>	Two years when stored in the original unopened containers. Store in dry conditions between 5°C and 25°C.

#### Typical Performance Data (approx.)

<b>Application Temperature</b>	5°C - 25°C.
<b>Wet grab</b>	10 minutes approx. at 15°C.
<b>Tack Development</b>	10-90 minutes at 15°C.
<b>Bonding</b>	Maximum strength is attained in 24 hours.
<b>Priming</b>	Dries after approx. 1 hour.
<b>Sealing concrete floors</b>	Leave to dry completely (usually 8 hours), before allowing foot traffic.
<b>Coverage (approx.)</b>	6-10 m <sup>2</sup> per litre.

#### Directions for use

#### IMPORTANT

Before using Sealocrete Sealobond PVA refer to the relevant Health & Safety Data Sheet. Available at [www.sealocrete.com](http://www.sealocrete.com) named as the code above.

#### Preparation

1. Surfaces must be sound, dry, clean, free from grease, dust or loose material.

#### Application Primer

**Porous Surfaces** e.g. clay brick, sand-cement renders, cement sheet etc.

1. Dilute 1 part Sealocrete Sealobond PVA to 5 parts water by volume. Allow to dry.

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**Highly Porous Surfaces** e.g. old, dry, stock brick.

2. Dilute 1 part Sealocrete Sealobond PVA to 3 parts water by volume. Allow to dry.

### Damp or Exterior Surfaces

3. Sealocrete Sealotak SBR is recommended.

**Non-Porous Interior Surfaces** e.g. engineering brick, glazed tiles and sound oil painted surfaces.

4. Apply undiluted.

### **Application Bonding Agent**

### Cement Render

**Dry Porous Interior Surfaces** - for rendering onto pre-cast concrete, brick and other backings of a highly porous nature.

1. Prime and allow to dry as specified above.
2. Bonding coat dilute 3 parts Sealocrete Sealobond PVA to 1 part water by volume.
3. Allow to develop tack - when PVA film becomes clear.
4. Apply render in coats not greater than 10 mm thick to a maximum of 16 mm.
5. **Non-Porous Interior Surfaces** –
6. Apply undiluted Sealocrete Sealobond PVA as a bonding coat, apply plaster while it is still wet or tacky.
7. Damp or Exterior Surfaces - Sealocrete Sealotak SBR is recommended, PVA is not suitable.
8. High Tensile Renders - to improve resistance to structural movement add to gauging water in the ratio 1 part Sealocrete Sealobond PVA to 10 parts water by volume.

### **Application Floor Toppings**

### Sand/Cement Screeds

1. Prime and allow to dry as specified above.

2. Apply undiluted Sealocrete Sealobond PVA.

3. Allow tack to develop.

4. Apply screed in normal way.

### Proprietary Composition Flooring, Terrazzo, Granolithic and other Rich Mixtures

5. Prime and allow to dry as specified above.
6. Apply undiluted Sealocrete Sealobond PVA.
7. Allow tack to develop.
8. Apply screed in normal way.

### Continuous Sand Cement Screeds/Polymer Modified Screeds

9. Prime and allow to dry as specified above.
10. Apply undiluted Sealocrete Sealobond PVA.
11. Allow tack to develop then apply screed with 1 : 3 cement/sand mix with Sealocrete Sealobond PVA and water. The proportion of Sealocrete Sealobond PVA must be 5L PVA to 25 kg cement.
12. Always dilute Sealocrete Sealobond PVA with gauging water and gauge to a soft crumble. Keep mix as dry as possible, excess water may cause cracking.
13. The screed should not exceed 12.5 mm, but can be taken to a thin edge, depending on the sand grading.
14. Allow screed to cure for at least 72 hours.

### **Application Cement Patching**

1. Prime and allow to dry as specified above.
2. Apply undiluted Sealocrete Sealobond PVA and allow tack to develop.
3. Patch with a rich cement/sand mix gauged with diluted Sealocrete Sealobond PVA in the ratio 1 part PVA to 8 parts water by volume.
4. Cover and cure for at least 72 hours.

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## Application

### Plastering

1. To Bond New Plaster to Porous Surfaces (old plaster, concrete etc.) Prime the surface with 1 part Sealocrete Sealobond PVA - 5 parts water. When dry coat the surface with a mixture of 3 parts Sealocrete Sealobond PVA - 1 part water and while still wet or tacky apply the plaster.
2. To Bond New Plaster to Non-Porous Surfaces - i.e. glazed tiles Apply an undiluted coat of Sealocrete Sealobond PVA and while still wet or tacky apply the plaster.

## Application

### Sealer

#### Cement Based Paints - to improve paint adhesion

1. Dilute Sealocrete Sealobond PVA with an equal volume of water.
2. Brush into surface, ensuring no excess remains to form a film.
3. NOT suitable for other types of paint, e.g. gloss or emulsion

#### Dust Sealer - e.g. concrete, composite and terrazzo flooring.

4. Dilute 1 part Sealocrete Sealobond PVA to 5 parts water by volume.
5. Apply 1 or 2 coats to floor.

## Application

### Adhesive

#### To Bond all Types of Wood Under Dry Conditions

1. Apply a mixture of 5 parts Sealocrete Sealobond PVA - 1 part water to each surface and clamp together.

## For Close Fitting Joints

2. Coat only one surface. Under normal conditions joints can be handled carefully after 1 hour although setting times may vary with porosity and atmospheric conditions.
3. To obtain a longer open time (above method is usually 10 minutes), prime with a mixture of 1 part Sealocrete Sealobond PVA - 5 parts water. When dry apply adhesive coat.

## Cleaning

1. Clean tools and equipment with water and detergent before the Sealocrete Sealobond PVA has dried.

## Precautions in Use

Not suitable as a primer for paints.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data Sheet for Sealocrete Sealobond PVA.

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