



## Technical Data Sheet

### Ecobond PVA

#### General Purposes bonding agent and adhesive

#### Description

**Ecobond PVA** is bonding agent formulated for use as a multi-purpose bonding agent for cement mixes and mortars.

#### Applications

- Bonding cement screeds, rendering, plaster to concrete, stone, brick and new concrete.
- Admixture in cements and sand.
- Sealer to porous concrete renders, plaster and plasterboard.

#### Advantages

- Water based, single component provides clear coat when dried.
- Multi purposes for construction materials.
- Excellent adhesion and bonding agent for cement based mixes.

#### Technical properties

|                  |                                              |
|------------------|----------------------------------------------|
| Color            | White                                        |
| Specific Gravity | 1.00 ± 0.03                                  |
| PH:              | 4.5 ± 1                                      |
| Stability:       | Stable in Alkaline conditions                |
| Compatibility:   | Compatible with all types of Portland cement |

#### Method of use

##### Surface preparation

- The Substrate should be sound, clean and free from dust, plaster, oil, paint, grease, corrosion deposits and any other contamination. Surface laitance should be removed by light scrubbing or grit blasting to provide mechanical key.

#### Application

##### GENERAL USES

On smooth flat surfaces coat each face with undiluted **Ecobond PVA**. When tacky, press surfaces together. Larger areas should be clamped or weighted until set – usually after 24hrs depending on the surface porosity.

##### PLASTER BONDING

For applying new plaster to existing surfaces prime with **Ecobond PVA**, 1:4 ratio with clean water then allow to dry. Apply a second coat of **Ecobond PVA**, 3:1 ratio with clean water and whilst tacky apply plaster or render.

##### CEMENT ADMIXTURE

Use it as an admixture in cement/sand screeds in both light traffic and heavy traffic areas. Supposed mixes is as the following:

| Component          | Light traffic | High traffic |
|--------------------|---------------|--------------|
| Cement             | 100           | 100          |
| Sand               | 300           | 100          |
| Granite (4 – 6mm)  | -             | 200          |
| <b>Ecobond PVA</b> | 20            | 25           |

- Prime the prepared surface with diluted **Ecobond PVA** (1part **Ecobond PVA** to 4 parts water).
- The dry components should be mixed together.
- Add water to the mix to achieve a semidry mix and then add **Ecobond PVA** and mix, more water could be added to achieve the required workability.
- Lay the mix on the tacky primed surface, tamp it and smooth it using trowels.

#### Theoretical Coverage

**Bonding agent:** 16m<sup>2</sup> when diluted 1 to 1

**Sealer coat:** 25m<sup>2</sup> when diluted 1 to 4

**Admixture:** 20-25 L/100Kg.

The above-mentioned data depends of type of cement and surface porosity

#### Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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#### Storage

**Ecobond PVA** shelf life is 12 months if stored at temperatures between 5°C and 25°C in original unopened containers.

If these conditions are exceeded, Envirocon technical department should be contacted for advice.

#### Cleaning

All tools should be cleaned immediately after application using fresh water. Hardened materials must be cleaned mechanically.

#### Packaging

**Ecobond PVA** is available in 5, 20 and 210 Liters

#### Cautions

##### Health and safety

**Ecobond PVA** is nontoxic, it should not be swallowed. Gloves and eye protection should be worn.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 5 minutes and seek medical advice.

#### Fire

**Ecobond PVA** is non-flammable.

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