

## **Techno Bond PVA**

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Multipurpose PVA adhesive, sealer and cement admixture.

### **Uses**

- As a multipurpose adhesive
- Plaster bonding agent
- Primer and integral bonding agent for concrete and granolithic floor repairs
- Repair of natural and reconstructed stone
- bonding agent for tiles: bonding granolithic toppings to sub-concrete, dust proofing floor screeds and friable concrete flooring
- Primer for over coating bitumen with oil based paints.

### **Advantages**

- Single component liquid, gauged as required
- Bonds most common construction materials
- Improves the durability of mortars and renders
- Excellent as a dust proof and sealer
- Easily applied by brush roller or spray
- Contains no chloride admixtures
- Versatile and economical

### **Description**

Techno bond PVA multipurpose adhesive is supplied as a ready to use white liquid based on a polymerised resin emulsion.

#### Specification clauses

Polymer bonding aid and mortar additive The polymer bonding aid and mortar additive shall be Techno bond PVA, a single component polymerised resin emulsion.

### **Instructions for use**

#### Preparation

Saw cut the extremities of any repair locations to a depth of at least 10 mm to avoid feather-edging and to provide a square edge.

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae.

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## **Modern Technologies for Construction Chemicals**

**Factory: Wadi Elnatroun - First Industrial Area.**

**Head Office: New Maadi - 3\288 St.**

**Fax. & Tel.: 02-25200833      Mob. : 010 209 65554**

**[www.mtcchem.com](http://www.mtcchem.com)**

### **Surface sealing**

Porous surfaces should be sealed with a solution of 1 part Techno bond PVA to 15 parts clean water. Where surface porosity is extremely high it may be necessary to increase the concentration to 1 part Techno bond PVA to 10 parts water.

Breeze, foam, slag and other lightweight building blocks are exceptionally absorbent and will require pre-soaking prior to sealing.

### **Curing**

Techno bond PVA mortars, toppings and renders are cement based. In common with all cementitious materials, they must be cured immediately after finishing in accordance with good concrete practice

The use of Techno cure curing membranes is recommended, in harsh drying conditions, supplementary curing with damp hessian or polythene sheeting is strongly recommended

### **Cleaning**

Techno bond PVA should be removed from tools, equipment and mixers with clean water immediately after use Spillages should be absorbed with clean sand or sawdust.

### **Limitations**

Techno bond PVA mortars, toppings and renders should not be applied when the temperature is below 5 C and falling. Neither should they be exposed to moving water during application. Exposure to heavy rainfall prior to the final set may result in surface scour. If any doubts arise concerning temperature or substrate conditions, consult the local M.T.C. office.

### **Estimating**

#### **Supply**

Techno bond PVA      25 and 200 litre drums

#### **Coverage**

#### **Sealer coat**

75m-diluted 1 to 15   -   50m-diluted 1 to 10   -   25m-diluted 1 to 5   -

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5m diluted 1 to 1 - 3m- diluted 1 to 3

**Note:** The coverage figures for Techno bond PVA are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced

### **Storage**

#### **Shelf life**

All products have a shelf life of 6 months if kept in a dry store in the original, unopened bags or packs.

#### **Storage conditions**

Store in dry conditions in the original packing. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced. Techno bond PVA should be protected from frost.

#### **Fire**

Techno bond PVA is non-flammable.

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