

# ZELOBOND PVA

polyvinyl acetate latex bonding  
admixture for cement and mortar



# TECHNICAL DATA SHEET

## DESCRIPTION

- Zelobond PVA a milky white latex polymer based on polyvinyl acetate that is a multifunctional bonds, surface sealing substance, additive, and adhesive agent intended to improve the physical qualities and structural integrity of cementitious mortars. This is an ideal additive for cement to strengthen its bonding. It has high strength and a wide variety of uses.

## PRODUCT FEATURES

- Cement screed, render, mortar, and concrete bonding agent
- Used as an integral bonding agent in cementitious systems to reduce water content and increase adherence to substrates.
- Multipurpose use, affordable, quick drying and simple to use.
- Strong adhesive features

### TYPICAL USES:

- Sealer to concrete, plaster or other porous substrates for horizontal or vertical applications on INTERNAL APPLICATIONS ONLY.
- Bonding agent for render, repair concrete, and floor topping
- Recommended when long-term moisture occurs
- A good for bitumen primer and to use before applying some decorative coatings.

### USING RATES:

- To determine the appropriate dosage of Zelobond PVA, laboratory trials should always be followed by site trials. The doses listed below are basic guidelines for various application conditions.

### ADMIXTURE:

- Zelobond PVA enhances mortar application quality, improves screed mechanical strength, minimizes shrinkage, and has flawless adherence even on smooth concrete. Add 5 liters of Zelobond PVA per 100 kg of cement for best bond strength.
- Bitumen Primer:
- Stops bitumen coating leaking. Surfaces are primed with Zelobond PVA diluted with equal quantities of water. This will result in an effective
- for most oil-based paints and may be successfully applied over the barrier.
- Bonding fresh and old concrete: Zelobond PVA ensures the substrate's stability, quality, and durability by completely clean and free of oil, grease, and other contaminants materials for proper adhering. Apply Zelobond PVA sealing coat diluted with four parts clean water and let to dry.

### APPLICATION:

- Lay the fresh concrete while the bonding layer of Zelobond PVA diluted with an equal amount of water is still sticky. Add Zelobond PVA 20 to 30 liters/100kg cement
- usual dose suggested for thin floor screed with no cracks (standard to heavy load).
- To fix surfaces with cracks or gaps, dilute Zelobond PVA with equal parts water to make a paste with plaster, cement, or fine sand. This paste can be used to adhere plaster boards, polystyrene tiles, and other materials to ceilings and walls. If the bonding surface is porous, mix Zelobond PVA with three times the quantity of water and prime the surface.
- The surface should be clean and clear of any undesired materials before using it as a bonding agent for screeds, plaster, and rendering. The surface is sealed with 1 part Zelobond PVA to 3 parts water. Then, as usual, apply the bonding coat (1:1) and render the screed or plaster. The same process is used to join fresh and aged concrete.

### KEEP IN MIND THAT:

- Do not use below 5 degrees Celsius.
- Over troweling should be avoided.
- Always comply to the mixing ratio and directions.

### COVERAGE:

- For mortar admixture, add 20 liters to 30 liters/100kgs cement in 140 -150 ltr/m<sup>3</sup>.
- Bonding Ratio; 1:1- 01 litre/20m<sup>2</sup>
- Priming Ratio; 1:3 – 01 litre/35m<sup>2</sup>
- Render coat: 10 -15ltr / 100kg cement
- Curing occurs within 3 - 7 days.
- All coverage rates provided are theoretical and may vary on real site conditions. We propose doing trial areas to determine realistic consumption, particularly for primers

### PACKING & STORING:

- In manufacturer's sealed containers must be stored in a cool, dry area away from high temperatures for up to 12 months. There are 18kg and 180kg containers available.
- After usage, close the pack and keep the product as directed on the label.
- Damaged packing, high humidity, or severe temperatures can all shorten the shelf life.
- Health & Safety:
- As handling any chemical material, safety measures, such as gloves and goggles, should always be worn. Any splashes on the skin or eyes should be treated immediately with fresh water. Please see the MSDS for each Titan-Tech product for further information.

### PROPERTIES

- Standard Conforms: BS 5270
- Appearance: White color
- Specific gravity: 1.00 at 25 °C
- pH: 6- 8
- Chloride content: Nil
- Flammability: Non-flammable
- Dry Film Nature: Tough