

# WATERPROOF MATERIALS

**K7 Waterplug**

**K9 Waerproofing Latex**

**K10 Seal**

**K11 Waterproofing Slurry**

**K12 Flex Waterproofing Slurry**

**K13 High-flex Waterproofing Slurry**

**WPS Waterproofing Mortar**



## K10 SEAL

K10 Seal is a white, acrylic-based, non-trafficable waterproofing and sealing membrane, ready to use from the container, reinforced with fiberglass matting.

### **TECHNICAL CHARACTERISTICS**

- K10 Seal is a ready-to-use waterproofing membrane, making it easy to use directly out of the container.
- K10 Seal is extremely flexible enabling it to cater for limited floor movement while absorbing vibration.
- K10 Seal is a water-based product therefore it is non-hazardous and non-flammable.
- Being a waterproofing membrane, K10 Seal prevents surface water penetration when applied correctly.

### **USES**

- Can be used to waterproof terraces, balconies, concrete roofs and cement toppings.
- Provides a totally waterproof system, ideal for use in walls and floors in bathrooms and shower cubicles before laying ceramic tiles, natural stones and mosaics.
- Waterproofing kitchen walls and floors and work tops before laying ceramic tiles and natural stones.



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K10 Seal is available in 15kg drum.

### **SURFACE PREPARATION**

#### **General**

- All surfaces must be structurally sound and free from dirt, dust, laitance, grease, paint, wax, oil and any other loose contaminants.
- Prior to application, remove all sharp protrusions, which may pierce the membrane.
- Any gaps/voids in the substrate must be treated, such that the gap/void is fully supported and firmly filled out.

#### **Concrete**

- All new concrete slabs must be allowed to cure for at least 6 weeks.
- Old concrete must be cleaned with a strong commercial grade detergent or degreaser.
- Then thoroughly wash off all residues with clean water. Allow the surface to dry for at least 24 hours.
- If the concrete has a steel trowel or power float finish, it must be mechanically abraded to expose the aggregate.

#### **Render**

- New rendered surfaces must have a wood float finish and be allowed to cure for at least 7 days.

#### **Building Boards**

- Standard wall/floor building boards must be firmly fixed. Such boards include fibred cement sheeting; marine grade ply and wet area composition board.
- Screw or nail heads must be sealed with epoxy.
- All sheeting joints need to be covered with 50mm wide polyethylene/polypropylene tape.
- Use a thick brush or roller to apply one coat of K10 Seal on the area to be sealed.
- Place pre-cut, manageable lengths of fiberglass matting and roll immediately into the wet K10 Seal.
- Allow to dry for approximately 4 hours at 20°C.
- Apply a second coat over the fiberglass mat ensuring that the entire fiberglass is covered. Allow to dry for 4 hours.
- Finally, apply a third coat of K10 Seal at a 90° angle to the previous coat and allow drying for 24 hours at 20°C.
- If necessary apply a fourth coat. Always ensure that no pinholes are left on the surface.

- When used on an external deck, a mortar coving is recommended at the turn up where all vertical walls meet the deck. Take the reinforced membrane above the top edge of the coving. Always ensure the membrane is pushed into all corners completely.
- Note: At temperatures below 20°C both the drying and curing time of the K10 Seal will be increased. At temperatures above 20°C, both the drying and curing time of the K10 Seal will be reduced.
- If pond testing is required, ensure the membrane is allowed to cure for a minimum of 7 days before pond testing.
- Used to protect concrete surfaces, plasters, and cement-based alums, and provide water proofing according to its water proofing and protection features.

### **CONSUMPTION**

When used with fiberglass reinforcing:

- 15kg of K10 Seal will cover approx 5-8m<sup>2</sup>.
- Apply 1.5kg/m<sup>2</sup> for first coat of K10 Seal.
- Applied reinforced woven-mat for second layer. And using roller to apply around 1.0 kg/m<sup>2</sup> of K10.
- After two coats have been cured, if necessary, apply a third coat.
- These coverage rates are dependent on site conditions.

### **CAUTION**

- Do not allow the product to freeze.
- Do not apply if the temperature is in excess of 40°C or less than 5°C.
- Do not thin, it is supplied ready for use.
- Do not add sand to K10 Seal as this will reduce flexibility and can cause cracking.
- Do not apply K10 Seal too thickly in wall and floor junctions as it reduces the flexibility of the product.
- Do not use where negative hydrostatic pressure is evident (e.g.: rising damp), as it affects the bond of K10 Seal.
- Contact our office for product recommendation in areas where negative hydrostatic pressure exists.
- Ensure that the membrane is not covered by tiles or other materials for at least 24 hours after the application of the final coat, to allow the membrane to cure. If used in confined areas or in unfavorable weather, the effective drying of the membrane will take longer.
- Layer thickness should not exceed 5 mm with brush applications.
- Products is not recommended for use in areas of permanent water immersion like swimming pools, spas etc. In these cases, It should be used under tiles or leveling mortars.

### **STORAGE**

Up to 12 months in unopened drums, stored in an elevated, cool dry place.

### **TECHNICAL INFORMATION**

Test Data Property	
<b>Shore A hardness (±5)</b>	85
<b>Tensile strength, psi (±25)    ASTM C-190</b>	220
<b>Elongation at Break %</b>	304
<b>Minimum recovery %</b>	98
<b>Service temp, range</b>	5°C -40°C
<b>Weather meter</b>	No cracking
<b>Fungus and Mildew resistance</b>	Film totally absent of growth after testing
<b>Solids Content by weight</b>	44 – 54% ± 1 varies by base
<b>Solids Content by volume</b>	32 – 42% ± 1 varies by base

For further information consult our Technical Department

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