

# K2 POLYCRETE

SINGLE COMPONENT ACRYLIC POLYMER FOR CEMENTITIOUS WATERPROOF COMPOSITE COATING MEMBRANE.



Effective and economical solution to waterproof concrete and masonry surfaces, by mixing with cement and application by brush.

## BENEFITS

- User friendly, simple mixing and easy brush application for horizontal and vertical surfaces.
- Ensures a tough, impermeable waterproof membrane
- Excellent adhesion to concrete and masonry surfaces
- Protects concrete and mortar from wind, rain, sunlight
- Breathable coating.

## AREAS OF APPLICATION

Industrial floors, dams, water towers, tanks, tunnels and sewages, pools and fountains, reservoirs, roofs, terraces and balconies as a sandwich layer

## PROPERTIES

**Water absorption** : 1% maximum

**Pot life at 30°C** : 30 min.

**Mixed Density** : 1.8 gm/cc

**Application temperature** : Not less than 10°C

**Toxicity** : Non-toxic

**Concrete bond strength** : Approx. 1 N/mm<sup>2</sup>

## APPLICATION METHOD

All surfaces to be applied with K2 Polycrete must be thoroughly cleaned by a wire brush, to remove all dust, laitence or debris, free from oil, grease, wax or any other foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete or mortar must be removed to a sound substrate and repaired suitably before coating.

### Mixing

K2 Polycrete should be mixed with neat cement in the ratio of 1:2 to obtain a uniform and consistent slurry avoiding any lump formation. Do not mix for more than 2 minutes. Do not mix more than can be used within the pot life. Retempering the mix with water should not be done. Keep on mixing till the entire quantity is applied, so that solids do not settle at the bottom of the container.

K2 Polycrete	liquid	Neat cement
	1kg	2kg
	5kg	10 kg

For optimum results, wet the surface before coating. Apply the mix with a short, stiff bristle brush to an approximate thickness of 1 to 2mm. K2 Polycrete surface must be protected from abrasion, rain or other adverse conditions for the first 12 hours of curing. No traffic shall be allowed within 48 hours after application. 2 coats of application of K2 polycrete is required. First coat should be allowed to air dry for 5–6 hours. After application of the final coat, air dry for 2 to 6 hours. During this period water should not be used for curing. Moist curing should be done for the next 24 hours by spraying water on K2 Polycrete coating. Following moist curing, K2 Polycrete should be allowed to dry for three days before water logging.

### Packaging

Available in 1, 5, 20 & 200 liter packs.

### Coverage

1.8 kg mixed material covers 1 sqmt at 1mm.thickness.Consumption varies depending on the texture and porosity of the surface and application thickness.

## STORAGE

K2 Polycrete liquid has a shelf life of 6 months, when stored in unopened, normal conditions.

### Health & Safety

K2 Polycrrete is water based and non-toxic. Gloves should be worn during application. Any splashes on the skin or eyes must be washed off with clean water. Incase of prolonged irritation seek medical advice.

### Fire

K2 Polycrrete is nonflammable.

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## TECHNICAL SUPPORT

**The company provides a technical service supported by a team of specialist applicators in the industry**

### Important note :

Jay Chemical Industries Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Jay Chemical Industries ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators.



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