



# STARCEM 2K

(Two pack cementitious Waterproof solution)

## DESCRIPTION:

**Starcem 2K** is a two component cementitious & acrylic polymer based flexible waterproofing & protective coating Made up from best quality Portland cement, properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder. It is applied to waterproof and protect concrete and similar structures. Specially designed for swimming pools, submerged tunnels, sumps, bridge decks, marbles, granites retaining walls, pile Heads, water tanks and a wide variety of extreme service class structures because on curing it forms an excellent elastomeric, tough, waterproof & protective layer over the substrate.

## TECHNICAL DATA SHEET:

Nature	Two Component
Appearance	Milky white and gray
Mixing Ration	1:2 (Liquid : Powder)
Mix Appearance	Free flowing slurry
Pot Life at 30° C	30 min
Application Temperature	Above 5 degree
Elongation (%)	> 70
Tensile Strength N/mSq.mm	0.55
Water Vapour Permeability	16gm/Sq.Meter
Adhesion to concrete	Excellent

## Area of applications:

- Bathrooms and Toilets
- Water tanks
- Basements
- Channels
- Faces of dam walls
- Swimming pools
- Basins
- Storage tanks
- Balconies and terraces
- Concrete structures like pillars and beams for road and railway bridges
- Cooling towers
- Underpasses
- Water retaining walls

**M/S.STAR SPECIALTIES POLYMERS PVT LTD**

**52/3, 54/6-D, Daman Ind.Est, kadaiya, Nani Daman, Daman – 396210**

**Con : 0260 2221242, 2220241, 9574349052, [www.ssplchem.com](http://www.ssplchem.com)**



#### **Advantages :**

- **Flexibility** - Provides a flexible & low permeable coating.
- **Adhesion** - Excellent adhesion to concrete, natural and artificial stone.
- **Diffusion** - Excellent resistance to chloride ion diffusion and carbon dioxide.
- **Low temperature resistant** - Resistance to freeze-thaw cycles and de-icing salts.
- **Carbonation** - Prevents carbonation of cement concrete.
- **Water permeability** - Excellent resistance to ingress of water.
- **Slip resistant** - Provides slip resistant coating.
- **Waterproof** - Waterproof for concrete structures.

#### **Method of Application:**

**SURFACE PREPARATION :** The surface must be thought & free from dirt, dust & loose particles. Metal brush the surface & clean the dust by air compressor or wash the surface with water. Oil & grease must be removed using degreasing solvents. Any damaged surface must be repaired by using polymer modified repair mortar (Starcreat) .

**MIXING:** Stir/Shake well the liquid component to a homogenous milky colour , before mixing transfer entire quantity of liquid component into mixing container, gradually start addition of powder component under constant mixing with a stirrer using motor stirrer at slow speed at 250 – 300 rpm for Approx 5 minutes to a homogeneous & uniform free flowing slurry.

#### **APPLICATIONS:**

##### **Blinding Coverage:**

Apply slurry coat of mixed material for two coats at a coverage rate of 45 to 55 Sq.Feet over the set concrete slab by a masonry brush.

##### **Concrete slabs or roof slabs:**

Two coat of mixed slurry and one coat of with fiber mesh to be applied to the set concrete @ approx 1 sq.meter/1.kg by a masonry brush, roller. Dry film Thickness of approx 1.4 -1.6 mm will be achieved in 3 coats. Coverage depending on the surface.

##### **Water tanks and Swimming pools:**

Two coat of Starcem 2k applied @ 1.6 kg/Sq.Meter each coat by a masonry brush.

All applications where two coats is specified, the second coat shall be applied when the first coat is completely dried. The treated area should be protected from direct sunlight and to be damp cured by covering with damp hessian or similar system.

#### **Precautions & Limitations :**

- Mix the entire quantity of both the components at one go.
- Do not use external powder with the liquid other than the powder offered by us, it will affect the Performance.
- Do not add water for dilution.
- Do not flood or over expose the treated surface to water until it is completely cured.

#### **Shelf Life & Storage**

Shelf life is 1 year from the date of manufacturing.

Store away from direct sunlight and protect from extreme temperature.

#### **Available Packing-**

3Kg,15Kg,30Kg.

## **M/S.STAR SPECIALTIES POLYMERS PVT LTD**

**52/3, 54/6-D, Daman Ind.Est, kadaiya, Nani Daman, Daman – 396210**

**Con : 0260 2221242, 2220241, 9574349052, www.ssplchem.com**