



# Powermix

## FLEXIBLE CEMENTITIOUS WATERPROOFING

### DESCRIPTION

Powermix is a flexible, fibre-reinforced and specially modified high-grade acrylic polymer that is mixed with Portland Cement to provide superior water protection and more to concrete surfaces.

### FEATURES AND BENEFITS

- Superior water impermeability
- Flexible and fibre-reinforced
- Most compatible to concrete substrates (being cementitious)
- High water vapor transmission
- UV Resistant (high grade polymer plus cement)
- Monolithic
- Tintable (for colors)
- Guaranteed water protection; virtually a “waterproofed concrete skin”
- Moves with concrete, bridges hairline cracks
- Excellent adhesion to concrete (chemical & mechanical bonding)
- Releases retained water vapors in concrete; prevents blistering.
- Longer service life of waterproofing film
- No troublesome joints and laps to contend with.
- Minimize painting cost

### SURFACE PREPARATION

- Clean the area to be applied. Remove all laitance, contaminants, dust, oil and previous coatings
- Wet the application area with water until water absorption is none to minimal with no water ponding (Saturated Surface Dry-SSD)
- Appropriately detail all critical areas in the surface to be waterproofed (refer to Detailing Guide)
- Brush on one coat of Powermix Primer (1 part Powermix: 2 parts water) to the substrate to ensure all pores are sealed off.

### AREAS OF APPLICATION

- Colored Waterproofing for firewalls
- Keying Aid
- Grouting
- Tile Adhesive
- Tile-to-tile Adhesive
- EIFS Base Coat. (Please Consult Bostik Technical Department.)



### MIXING RATIO

(1 gallon Powermix: 4.5 kgs. Or 3.5 liters Portland cement)

### EASY STEPS

1. Once the primed surface is dry to touch, prepare the Powermix cementitious mixture (1 gallon Powermix: 4.5 kgs or 3.5 liters Portland cement) and measure an area of 8sqm.
2. Apply the prepared mixture by brush over the measure area, to serve as the first coat.
3. Allow the first coat to cure from 1-2 hours, then prepare a second mixture.
4. Apply the second mixture over the first coat by roller (applied on the opposite direction).
5. Let dry for 24 hours before flood testing.
6. Concrete topping is recommended for exposed areas subject to regular traffic (e.g. roof decks, etc.).

### TOOLS

Paint Brush and/or Roller.

### PACKAGING

Available in 4 liter and 16 liter pails.

## POT LIFE

Four (4) hours after mixing

## COVERAGE

Horizontal: Four (4) square meters per gallon @ 1mm dry film thickness (2 coats @ 8 square meter per coat)

Vertical: Eight (8) square meters per gallon @ 0.5mm dry film thickness (2 coats @ 16 square meter per coat)

## SHELF LIFE

Twelve (12) months if stored in a dry place and not under direct sunlight.

## OTHER USAGE

### Colored Waterproofing for Firewalls and as Colored Tank Liner

Mix with white cement instead of Portland cement and add acrylic-based tinting color.

### Keying Aid

For bonding old to new concrete

- Dilute one (1) part of Powermix with two (2) parts water.
- Mix with one (1) part cement and two (2) parts sand.

### Grouting

Thin plaster/Topping Repair

- Mix one (1) part of Powermix with two (2) parts of cement and two (2) parts of graded sand.

### Tile Adhesive

For bonding new tiles to old tiles

- Mix eight (8) kilograms (1.5 gallons) of cement to one (1) gallon of Powermix (Coverage = six (6) square meters per gallon mixed).

**EIFS Basecoat** (Please Consult Bostik Technical Department.)

## SPECIFICATIONS

Color of POLYMER	White
Color of MIXTURE	Light Gray
VISCOSITY	300-700 cps
SOLID CONTENT	44 +/- 2%
pH	9
TOXICITY	Non-toxic
FLAMMABILITY	Non-flammable

**NOTE:** Suitable for use in potable water storage tanks

### DISCLAIMER:

The information in this Technical Data Sheet is intended for the assistance of users and is of a general nature. It reflects the extent of our knowledge and experience of our products and is based on tests which we believe to be reliable. However, no guarantee of accuracy can be given due to the wide range of surfaces, environmental and field conditions and variations encountered in raw materials, manufacturing equipment and methods at the place where the work is performed. Some of these will be beyond our knowledge and control. Users are asked to make sure that the TDS in their possession is the latest issue. Likewise, we recommend users carry out their own tests to determine the suitability of the product for their particular purposes.

Any claim for a defective product must be filed within 30 days of discovery of a problem and must be submitted with written proof of purchase. Claims are not transferrable or assignable and extend only to the original purchaser/user. Bostik reserves the right to inspect alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so. Bostik limits its liability to the replacement of the product/s proven faulty.

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