



AL ZARINA  
BUILDING SPECIALITY FZCO

# POLYMIX WP40

## WATERPROOFING POWDER ADMIXTURE

### DESCRIPTION

Polymix WP40 is a specially formulated admixture, which due to its pore sealing and penetrative properties, enhances the water resistance capabilities of the concrete and further more imparts some plasticising action, effecting a reduction of water content and thereby offering better workability at lower cement ratio.

### USES

Polymix WP40 is widely used in concreting of structures which is designed to contain or resist water like tanks, swimming pools, basements etc. It also finds its best use in the manufacture of reconstituted stone and similar cast concrete units where low water content are employed.

### ADVANTAGES

- Improved water resistance.
- Enhanced workability with same water content.
- Free of chlorides.
- Ease of use.
- Low toxicity.

### APPLICATION

Polymix WP40 is initially dry mixed with the quantity of cement which needs to be added generally at rate of 0.5kg per 50kg bag of cement, for high performance concrete we suggest the dosage at a rate of 1kg per 50kg bag of cement. Polymix WP40 imparts strength and waterproofing ability to concrete mainly by lowering the water cement ratio and therefore care should be taken not to add excess quantity of water.

### DOSAGE RATIO

#### Structure exposed to water pressure

Cement : Sand : Coarse aggregate - Ratio is 1 : 1 : 3 or 1 : 2 : 4

#### Renders

Cement : Sand - Ratio is 1 : 4

### PACKAGING

1kg / 5kg / 10kg.

## TECHNICAL DATA

- Appearance: white powder
- Chloride ion content: < 0.01%
- Enhancement of water resistance: 82%


## DISPOSAL


Disposal of material in failure to use should be done in accordance with local authorities way of disposal of cement based products. Disposal in damp areas will result in lump formation. Do not dispose through drains or waste pipes.


## HEALTH & SAFETY


As with all construction chemical products, caution should be exercised. Protective clothing should be worn. Treat splashes to eyes with plenty of fresh water. Should any of product be accidentally swallowed, do not induce vomiting, call of immediate help.

The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.

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