

## DESCRIPTION

**EPOCON WPWR** is a chloride free, ready to use waterproofing admixture supplied in powder form, designed for use in all cement based applications which blocks the capillaries and pores of the mortar and concrete preventing moisture ingress. It is formulated from a blend of hydrophobic materials; which together form a matrix of insoluble, water resistant material within the cement paste.

The plasticizers in **EPOCON WPWR** also improve the effectiveness of water in the concrete and sand: cement mix, enabling desired levels of workability to be obtained with lower water contents. This produces a mix with reduced water: cement ratio and therefore reduced permeability.

## TYPICAL APPLICATIONS

**EPOCON WPWR** is used as waterproofing admixture for:

- Mortar and plasters
- Structural and Precast concrete
- Sand: cement renders
- Paving blocks, Tiles and Bricks
- Floor screeds

## ADVANTAGES

- Allows reduction in mix water content to be made without affecting workability and provides reduced permeability.
- It improves the workability of fresh mortar, plaster and concrete.
- Easy to use & Economical
- Chloride free
- Lower water: cement ratio improves compressive strength

## PRODUCT DATA

<b>Form</b>	Powder
<b>Colour</b>	White
<b>Packing</b>	25 Kg Paper Bag
<b>Consumption</b>	1.5 to 2% by weight of cement
<b>Shelf Life</b>	12 months in the unopened package as Stored in dry and cool environment.

## COMPATIBILITY

**EPOCON WPWR** is compatible with EPO range of water reducing admixture when used in the same concrete mix, but should be added to the mix separately. The resultant properties of mixes containing more than one admixture should be assessed by the trial mix procedure recommended on this data sheet.

**EPOCON WPWR** is suitable for use with all types of Portland cements and SRC.

Please consult EPO Gulf technical department for assistance.



# EPOCON WPWR

Waterproofing and Plasticizing Powder Admixture



## APPLICATION PROCEDURE

### DOSAGE

The optimum dosage of **EPOCON WPWR** to meet specific requirement should always be determined by trials using the materials and conditions. As a guide it is recommended to add 1.5-2% by weight of cement.

**Note:-** Overdosing of **EPOCON WPWR** may cause increased retardation and workability..

### DISPENSING

**EPOCON WPWR** is added to the dry mix of cement and sand or cement, sand and gravel prior to the addition of the gauging water. Dry component should be mixed thoroughly before water is added to ensure a proper distribution of the **EPOCON WPWR** throughout the mix.

### CURING

As with all structural concrete and sand: cement mixes, good curing practice should be maintained.

## PRECAUTIONS

**Cleaning:** All equipment must be cleaned with water immediately after use. Mixes containing this product must not be emptied into drainage systems.

**Protection:** All works must be protected from rain, frost until fully hardened.

## HEALTH AND SAFETY

**EPOCON WPWR** is non-toxic. Gloves should be worn during application. Splashes to the skin or eyes should be removed with clean water. In the event of prolonged irritation, seek medical advice.

EPOCON WPWR

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