

# EPOCON WPA 15

PCE Based High Performance Waterproofing Admixture for Semi Dry Concrete



## DESCRIPTION

**EPOCON WPA 15** is a high performance chloride free pale brown colour waterproofing Admixture based on PCE technology which functions by forming an internal barrier against water penetration in concrete where waterproofing effect needed in semi dry /no slump concrete and mortar.

## USES

**EPOCON WPA 15** specially recommended to use in semi dry/no slump concrete production is generally used in the manufacture of machine made concrete products associated with instant de-moulding such as block paving, paving flags, kerbstones, building blocks and bricks and semi dry pressed and hollow core slabs.

## ADVANTAGES

- Excellent waterproofing and reduces water absorption
- Efficient dispersion and distribution of cement, additives and pigments
- Provides higher strength without cement increase or workability loss.
- Closer textured smoother and more uniform surfaces.
- Provides good breathability to concrete.
- Can be used with all types of Portland cements including sulphate resisting cement.
- Easy to use and no special skills or extra labour is required.

## PRODUCT DATA

<b>Form</b>	Translucent Liquid
<b>Colour</b>	Pale Brown
<b>Packing</b>	20 Kg & 1000 Kg
<b>Consumption</b>	0.4 -1.2 Kg /100 Kg Cement
<b>Shelf life</b>	12 months, indoor storing unopened packaging under controlled condition

## PRODUCT DATA

<b>Specific Gravity</b>	1.05 ±0.03 @ 20°C
<b>Solubility</b>	Soluble in water
<b>Chloride content</b>	Nil to BS 5075
<b>Water absorption (ASTM C 936)</b>	< 5%
<b>Water Proofing</b>	Water penetration typically less than 30 mm when tested to DIN 1048 Part 51991 and D 1045
<b>Setting Time</b>	Less than 2hr retardation at normal dosage
<b>Air Entrainment</b>	Less than 1% additional air is entrained
<b>Toxicity</b>	Non Toxic

## STANDARDS

**EPOCON WPA 15** Complies with **ASTM C - 494 A & F & EN 934**



## INSTRUCTION FOR USE

### MIXING TIME

In general a mixing time of at least 30 seconds is essential, although the actual mixing time after adding the admixture depends upon individual circumstances and should be determined by trails

### DOSAGE

The dosage of **EPOCON WPA 15** may vary from 0.4 to 1.2 % of cement by weight, Optimum dosage should determine by site trials with actual site conditions.

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## OVER DOSING

An overdose of double the recommended amount of **EPOCON WPA 15** will result in some retardation and increased air entrainment. The ultimate compressive strength of concrete will not be significantly affected.

## CURING

As with normal structural concrete, normal curing methods apply.

## COMPATIBILITY

**EPOCON WPA 15** can be combined with **EPO GULF Type F&G PCE** series of admixtures if added separately to the mix. It is also compatible with sulfate resistant cement. Please consult our **Technical Department**.

## CLEANING

Clean all equipment and tools with water immediately after use.

## STORAGE

**EPOCON WPA 15** should protect from extremes temperature and must be mixed thoroughly before use. Material must kept within the range of 5°C to 30°C.

## PRECAUTIONS

Accidental splashes to the skin must be washed off with water and soap. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay. Skin barrier cream, safety goggles and rubber gloves are recommended.

## HEALTH AND SAFETY

**EPOCON WPA 15** is non-toxic. Any splashes to the eyes should be washed immediately with water and medical advice should be sought.

## FIRE

**EPOCON WPA 15** is non-flammable

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