



# KEM PROOF IWC

## Liquid integral Water Proofing compound for concrete

Ref. WP/IW-V1-0212

### Description

KEM Proof IWC is an integral waterproofing compound for addition to cement-based mortars and concrete. When added to the mix, it spreads over the cement and aggregates, disperses the cement particles and reduces the effect of capillary action by forming dense concrete. It makes the mix hydrophobic, reduces its permeability, and thus increases the waterproofing.

### Uses

- Basements
- Ceiling leakage
- Wall leakage
- Swimming pools
- Water tanks

### Advantages

- Being in liquid form ensures instantaneous dispersion homogeneous mixing.
- Improves workability of the concrete.
- Produces cohesive mix and reduce segregation and bleeding.
- Permeability of the mortar and concrete is reduced appreciably.
- Helps to achieve good compatibility.
- Very economical to use.
- Reduces transmissibility and porosity.
- Reduces health and safety problems caused due to dampness in floors.
- Prevents the wall faces from getting affected due to seepage of water, resulting in fluorescence and discoloration.

- Makes the construction work more durable.

### Typical Properties

**Appearance** : Dark brown liquid

**Sp. Gravity** : 1.08 ± 0.02

**Ph** : 7- 8

**Chloride Content** : Nil

**Water Proofing** : Water penetration typically less than 30mm when tested to DIN 1048 Part-5 1991 and DIN 1045 Page-24 clause 6.5.7.5 on at least 3 test cube made from a concrete with w/c ratio of 0.45 at an age of 28 - 35 days and expressed as an average in mm.

### Standards

Complies with IS 2645 specifications & DIN 1042.

### Direction for use

Add KEM Proof IWC to gauging water and mix well. Add this gauging water to cement, sand mortar or concrete. Mix all components thoroughly and use.

### Dosage

200 g / 50 kg cement

### Effects of over dosage

An over dose of double the maximum recommended dose of KEM Proof IWC will result in very high workability, possible severe retardation and segregation. Otherwise the ultimate compressive strength of the concrete may not be impaired, if properly cured. The overdosing effect will be more severe when used with sulphate resisting cement.

### Compatibility

KEM Proof IWC is compatible with OPC, PPC, Fly Ash, GGBS & micro silica

### Corrosivity

Non Corrosive



## Packaging

200 g; 1 kg; 5 kg; 10 kg; 20 kg

## Storage and Shelf life

Away from direct sunlight. Shelf life is 12 months from manufacturing date sealed bag.

## Technical Service

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

## Safety precautions

KEM Proof IWC is non-toxic and nonflammable. However, any splashes on the human body, must be washed with plenty of water.

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