

# YASH SEAL PROOF IWL (P)



## YASH SEAL PROOF IWL (P)

Powder waterproofing admixture for concrete and mortar

### Description

YASH SEAL PROOF IWL (P) is based on specially processed naphthalene sulphonated condensates and additives and supplied as a light yellow powder readily miscible with water.

Concrete however well made is to some extent porous and water must be prevented from penetrating through capillary pores. The presence of water in hardened concrete can cause corrosion of reinforcement which is made severe by freezing and thawing of concrete containing absorbed moisture. Further deterioration can occur if the water penetrating the concrete contains dissolved aggressive salts.

YASH SEAL PROOF IWL (P) provides protection against deterioration due to the pores, left by the slow evaporation of the excess water not taken up by hydration of cement.

YASH SEAL PROOF IWL (P) entrains a controlled amount of air which does not increase with the dosage. The risk of capillary suction is reduced by the induced air which blocks the pores. The plasticising action of YASH SEAL PROOF IWL (Powder) aids in producing denser concrete/mortar with greatly reduced permeability.

### Applications

YASH SEAL PROOF IWL (P) is a waterproofing admixture for use in all cement based mortars, screeds and concrete.

### Advantages

- + Improves durability by minimizing penetration of moisture and water based chemicals.
- + No additional water into dry or semi-dry mixes.
- + Reduces efflorescence and pigment leaching from cement mortars.
- + Chloride free.
- + Improves plasticity cohesion.
- + Better compaction and finishing.

### Compatibility

YASH SEAL PROOF IWL (P) can be used with all types of Portland cement and cement replacement materials. YASH SEAL PROOF IWL (P) is compatible with other YASH admixtures used in the same concrete mix. If more than

one type of admixture is to be used in concrete mix, they must be dispensed to the concrete separately.

### Technical Properties:

Colour	: Light yellow powder
Chloride content BS5075	: Nil
Air entrainment	: Up to 2% additional air

### Standards

YASH SEAL PROOF IWL (P) complies with IS2645.

### Method of Use

YASH SEAL PROOF IWL (P) should be added to the mix along with the gauging water to ensure uniform distribution.

The water content can be reduced by 10 - 15% due to the plasticising action of YASH SEAL PROOF IWL (P).

### Dosage

The guidance dosage of YASH SEAL PROOF IWL (P) is 0.5 kg/50 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of YASH SEAL PROOF IWL (P) to meet the performance requirements by using the materials and conditions on actual use.

### Points to be considered in waterproof concrete

- Lower water to cement ratio gives lower permeability concrete.
- Good concrete placing and compaction are very important to produce waterproof concrete.
- Fresh concrete should be protected against rapid drying and cured properly.
- Cold joints must be avoided.

### Cleaning

YASH SEAL PROOF IWL (P) can be removed immediately by brush. If the spillage is mixed with water, attention should be taken not to leave slippery film.

### Packaging

YASH SEAL PROOF IWL (P) is available in 0.5 & 1 kg bags.

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## Effects of Over Dosage

YASH SEAL PROOF IWL (P) over dosage will increase air entrainment which may cause a reduction in the compressive strength.

## Storage

YASH SEAL PROOF IWL (P) has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, YASH Technical Department should be contacted for advice.

## Cautions

### Health and Safety

YASH SEAL PROOF IWL (P) is not classified as hazardous material. YASH SEAL PROOF IWL (P) should not come into contact with skin and eyes.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

## Fire

YASH SEAL PROOF IWL (P) is nonflammable.

### More from YASH CONCHEM Products

A wide range of construction chemical products are manufactured by YASH which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.