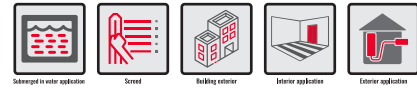


## SAMPLAST® ICP

INTEGRAL CRYSTALLINE WATERPROOFING ADMIXTURE



### DESCRIPTION:

- SAMPLAST® ICP is an integral crystalline waterproofing admixture. It consists of portland cement, very fine-treated silica sand and various active proprietary chemicals. It causes a catalytic reaction, while reacting with the moisture in fresh concrete with the by-products of cement hydration, which generates a non-soluble crystalline formation throughout the pores and capillary tracts of the concrete. Thus it seals the concrete permanently against the penetration of water or liquids from any direction. The concrete is also protected from deterioration due to harsh environmental conditions.

### ADVANTAGES:

- Resists extreme hydrostatic pressure from either positive or negative surface of the concrete.
- Becomes an integral part of the concrete as such it is permanent.
- Seals hairline cracks up to 0.4 mm.
- Allows concrete to breathe.
- It is non-toxic.
- Less expensive compared to traditional methods.
- It is added to the concrete at the time of batching and hence not subject to climatic restraints.
- Helps to reduce construction scheduling time.

### METHOD OF USE:

- Add SAMPLAST® ICP (300 gm to 600 gm per 50 kg of cement) to the concrete-mix at the time of batching and obtain a homogenous mixture for thorough dispersion.
- Prepare dry mix of cement, sand and aggregates as usual.
- Use concrete / mortar-mix as usual.

## RECOMMENDED APPLICATIONS:

- RCC water tanks and reservoirs
- Swimming pools, underground vaults
- Sewage & water treatment plants
- Tunnels & subway systems
- Foundations
- Parking structures
- Pre-cast, cast-in-place and shotcrete application

## PRODUCT DATA:

Form	Powder
Chloride content	Below 0.1% by mass
Colour	Grey
Compressive strength	≥ 85% of control
Conventional dry material content	> 99.5%
Air content in fresh concrete	≤ 2% by volume
Capillary absorption (after 90 days curing)	60% by mass
Dosage / Consumption	0.3 to 0.6 kg per 50 kgs bag of cement to be added to the concrete mix at the time of batching.
Caution	Do not add dry SAMPLAST® ICP directly to wet concrete
Storage	To be stored in dry covered condition.
Shelf life	12 months at 25 C
Safety	Non-toxic and non-flammable
Packing	25 kgs HDPE bag

CONSULT OUR PRODUCT APPLICATION DEPARTMENT (PAD) IN CASE OF ANY DIFFICULTY OR FOR TECHNICAL ASSISTANCE

SAMROCK products are guaranteed for the performance of material and manufacture.  
The details given here are based on our laboratory and field observations and as such as construed to be reliable. But we shall not accept responsibility for any work carried out with our material as we do not have control over other ingredients, workmanship and field conditions. This data sheet is subject to change in view of constant research and development being undertaken in our laboratories. Customers are advised to contact SAMROCK for the latest version.

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