

# ProofTech 2000

Water proofing concrete admixture



## DESCRIPTION

ProofTech 2000 is a chemical additive that helps to increase the water impermeability of concrete by filling the capillary gaps without changing the water/cement ratio in the concrete mixture through various chemicals.

## FIELD OF APPLICATION

- Water tanks and Dam buildings
- Swimming Pools, Treatment Facilities
- Tunnel and Channel Constructions
- Wastewater Treatment Constructions
- Open channel Constructions

## ADVANTAGES

- Endurance against aggressive chemicals on concrete increases.
- Increases concrete freeze thaw resistance.
- Does not include chloride ions
- Water Impermeability effect on concrete is permanent and constructional
- Enduring against water pressure coming from positive and negative directions.
- It provides that the concrete surfaces are smooth and without any gaps..

## USE

ProofTech 2000, is ready to use as liquid for fresh concrete mix. It is recommended that it is added to mixing water at ready-mixed concrete production station.

## STANDARDS

- TS EN 934-2 Table 9
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## CONSUMPTION

It is recommended that total binder should be used between the rates of 0.4% to 0.7% by weight in the mixture design. This rate changes on mortar mixing design according to cement, aggregate, mineral additive, water components used and also according to the requested fresh and hardened mortar features. Therefore, laboratory tests should be performed accordingly with preferred features and mixture rate should be determined.

In case of the use in high doses, setting delay and air dragging effect may be increased. The increase in the amount of air in concrete negatively affects the strength.

## STORING CONDITIONS AND PACKAGING

The product should be stored above 5 °C. In case the product freezes it should be carefully mixed mechanically after dissolving for restitution.

When it is to be used after a long time of storage, it can be used as long as it is mixed well.

It is for sale as 25 kg plastic drum, 200 kg drums, 1000 kg plastic cubitainers and bulk

## COMPATIBILITY

ProofTech 2000 is compatible with ExtraTech, SuperTech, HyperTech, FrezeeTech, RetarTech Series TechnoChem Construction Chemicals. For its compatibility information with other additives, one should consult TechnoChem Construction Chemicals technical support unit. If one is to use more than one additive substance on mixing design, each additive substance should be added to the mix separately.

It can be used with Portland concrete, fly ash and cinder. One must consult TechnoChem Construction Chemicals technical support unit before using it with other concrete types and mineral additive substances.

## SAFETY INFORMATION

The additive must be kept away from the skin and eyes. In case of any contact, it must be washed with water. When contacted with eyes one must immediately rinse with water and medical support must be taken. Gloves, protective mask and goggles must be used during the use.

For more detailed information, one must consult the material safety data sheet (MSDS) of the product.

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