

# RETARTON 100

Set retarding concrete admixture

## DESCRIPTION

RETARTON 100, concrete admixture delays the setting as much as needed. Prevents the concrete from losing its viscosity fast, provides for extended viscosity protection depending on the type of cement used. Prevents shrinkage cracks that may result from high hydration temperatures. Used at concrete pouring applications at high temperature regions.

## FIELD OF APPLICATION

- Used at long distance concrete pouring applications.
- Places where pouring and setting periods are elongated.
- Used in pouring concrete at high temperatures,
- Mass concretes

## ADVANTAGES

- It provides long term consistency protection to fresh concrete. This allows the fresh concrete mix to be transported over long distances.
- Ensures controlled prolongation of setting of concrete.
- Increases workability and reduces segregation and bleeding of concrete.
- Does not include chloride ions. Does not cause paraphernalia corrosion.

## STANDARDS

**RETARTON 100** : TS EN 934-2 Table 8  
ASTM C 494-81

## USE

- RETARTON 100 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.

## CONSUMPTION

It is recommended that the total binder existing in every type of concrete class mixing design described in TS EN 206 and TS EN 13515 standards is used between the rates of 0,5% and 1,8% by weight. This rate changes on concrete mixing design according to requested air quantity, cement features used, aggregate, mineral additive, water components, heat and also according to preferred fresh and hardened concrete features. Therefore, laboratory tests should be performed accordingly with preferred features and usage rate should be determined.

Since the air quantity to be entrained to concrete will increase additive dosage to be used, it is expected that concrete strength will fall.

## STORAGE CONDITIONS AND PACKAGING

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

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

## COMPATIBILITY

RETARTON 100 is compatible with Superton, Extraton, Politon, Airtion Proofton, Specialton Series POLİSAN Construction Chemicals. For its compatibility information with other additives, one should consult Polisan Construction Chemicals technical support unit. If one is to use more than one additive substance on mixing design, each substance should be added to the mix separately.

RETARTON 100, can be used with all cement types conform to TS EN 197-1 Standard. For use on special types of cement, it is recommended to consult Polisan Construction Chemicals technical support unit.

## 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 it with water and medical support must be taken. Protective goggles / gloves / mask should be used during the usage of the admixture.

The Material Safety Data Sheet (MSDS) should be read for detailed information.