

ULTRATON PF 50

High Range Water Reducing / New Generation Super Plasticizer Admixture

DESCRIPTION

ULTRATON PF 50, New generation super-plasticizer concrete admixture. Super-plasticizer, polymer based concrete admixture which is developed for precast and ready-mixed concrete and allows concrete to gain fluidity.

FIELD OF APPLICATION

- Non segregation, fluid, plastic concrete without bleeding
- Low water/cement ratio concrete applications
- Prefab – precast concrete

ADVANTAGES

- ULTRATON PF 50, superplasticizer concrete admixture provides workability to fresh concrete without causing segregation.
- Let the concrete mixing designs to be formed that have low water/cement rates.
- Higher early strengths allow faster demolding and more efficient use of forms to precast producers.
- Does not include chloride ions. Does not cause paraphernalia corrosion.
- Improves impermeability of concrete.

USE

- ULTRATON PF 50, 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

- **ULTRATON PF 50:** TS EN 934-2 Table 3.1, 3.2
ASTM C 494 Tip F

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 0,4% and 2,0% 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.

ULTRATON PF 50, super-plasticizer, polymer based concrete admixture which is developed for precast and ready-mixed concrete and allows concrete to gain fluidity. Concrete mix design and admixture dosage should be determined by laboratory tests according to the concrete class and properties.

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

ULTRATON PF 50, is compatible with Airton, Proofton, Antiton Series POLİSAN Construction Chemicals. If one is to use more than one additive substance on mixing design, each substance should be added to the mix separately.

It can be used with all cement types compatible with ULTRATON PF 50, TS EN 197-1 standard and all mineral additives. 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.