

AIRTON S

Air entraining concrete admixture

DESCRIPTION

AIRTON S is a ready to use air entraining additive that entrain well distributed and correct size air into concrete thanks to its special air entraining components.

FIELD OF APPLICATION

- In all ready-mixed concrete classes described in TS EN 206 and TS EN 13515
- On concrete where lightweight aggregate is used
- In production of ready to use wet plaster
- On concrete where unit volume weight is low
- On concrete which might be exposed to freeze thaw effect
- On concrete roads, channel, airport runway and field concrete
- On low-slump concrete
- On roller compacted concrete

ADVANTAGES

- Increases endurance against freezing and thawing by entraining air on fresh concrete.
- Increases the workability of fresh concrete and makes pumping easier.
- Prevents resolution, increases cohesion.
- Decreases the amount of mixing water without any workability loss.
- Does not include chloride ions. Does not cause paraphernalia corrosion
- Let the concrete mixing designs to be formed that have low water/cement rates
- Increases hardened concrete endurance against environmental effect conditions.

USE

- AIRTON S 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

- **AIRTON S** : TS EN 934-2 Table 5
ASTM C 260

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 0,05% and 0,20% 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

AIRTON S is compatible with Superton, Extraton, Politon, Antiton, Retarton, Proofon, 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.

It can be used with all cement types compatible with AIRTON S, TS EN 197-1 standard and all mineral additives (fly ash, blast furnace slag, silica fume etc.) compatible with TS EN 206 and TS EN 13515 standards. 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.